RESULTS

OF

OBSERVATIONS OF THE FIXED STARS

MADE WITH THE

MERIDIAN CIRCLE

AT THE

GOVERNMENT OBSERVATORY, MADRAS,

IN THE YEARS

1865, 1866 AND 1867,

UNDER THE DIRECTION OF

NORMAN ROBERT POGSON,

C.I.E., F.R.A.S., & F.M.U.

GOVERNMENT ASTRONOMER AT MADRAS.

PUBLISHED BY ORDER OF THE GOVERNMENT OF MADRAS.

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INTRODUCTION.

A brief history and description of the Madras Observatory and its appliances, from 1792 to the present time, was given in the volume of *Madras Meridian Circle Observations*, 1862, 1863, 1864. It is therefore sufficient on this occasion to state that the observations of fixed stars during the next three years, the results of which are contained in this volume, were made and reduced upon the same plan as those in the former publication. The only changes introduced are in the arrangement of the Separate Results for each year, which have been printed in double column to save space; and in the flexure correction, which was inadvertently applied twice its proper amount up to the end of the year 1864. In consequence of this oversight the Polar Distances in the last volume will require a small correction to make them comparable with those in the present and future volumes of *Madras Meridian Circle Observations*. The necessary corrections will be furnished with sufficient accuracy by the following table.

From P. D.	Corr.	From P.D.	Corr.	From P.D.	Corr.	From P.D.	Corr.
°	″	°	″	°	″	°	″
0	− 0·9	44	− 0·4	79	+ 0·1	117	+ 0·6
3	− 0·8	52	− 0·3	86	+ 0·2	126	+ 0·7
14	− 0·7	59	− 0·2	93	+ 0·3	137	+ 0·8
25	− 0·6	66	− 0·1	100	+ 0·4	150 & S.P.N.	+ 0·9
35	− 0·5	73	0·0	108	+ 0·5		

The flexure correction finally adopted is,

$$0''\!\cdot\!85 \times \sin \text{Zenith Distance}$$

additive to all Polar Distances under 77° and subtractive from those of greater amount as well as from all observations below pole.

The observations were made throughout the three years by the two chief assistants, C. Ragoonatha Charry and T. Moottoosawmy Pillay, and with occasional exceptions were satisfactory; but it is much to be regretted that the reductions were not completed until both had so deteriorated, mentally and physically, that it has been a labor of unforeseen extent to detect and correct their numerous errors of calculation. The revision of every kind of reduction has to be gone through by the Astronomer personally before publication can be safely ventured upon. With no European assistance and too inadequate a staff of natives even to admit of duplicate calcu-

lations, this is not so much a matter of surprise as of disappointment, present delay and too numerous errata. The experience of the two volumes now published will considerably aid the progress and accuracy of future ones, but the task is severe and it is to be hoped peculiar to the Madras Observatory.

The instrumental corrections used during the three years have been exhibited to give a general idea as to the stability of the Meridian Circle when in proper working order. Owing however to a most unaccountable occurrence, such was not the case between March and July 1866, when the index correction will be found subject to most capricious changes, and the inclination correction, though less affected, far from steady. This was very simply explained in July, by finding, what no one could have suspected, that the object glass was unscrewed about one-sixth of a revolution. No clue was obtainable as to who had done the mischief, nor even as to when it was perpetrated, beyond that there was no trace of such defect before February 28th of the same year. Some stranger, who knew too much and too little about instruments, must have tampered with the object glass to gratify idle curiosity, about the end of February, and not having screwed it securely home, left it subject to a tilt on passing the zenith or nadir, which caused a sudden change in the index correction, at first a little under 2″. The continual use of the instrument increased the looseness of the object glass, so that by the end of April the effect upon the index error had increased to about 5″ and by July it had nearly reached 8″. This was immediately rectified when the source of error was detected, on July 11th, and the usual stability of the instrument was at once restored. The foundations are however subject to a slow change, as the ground temperature or perhaps rather the dryness of the soil increases, from the cool season to the hot midsummer; and also to sudden disturbances after heavy rain, instances of which may be seen in the last three months of most years.

It would no doubt have been better to have rejected all the observations taken between March and July 11th and to have had them repeated in another year; but on finding that the observed nadir points always gave either fairly good or unmistakeably erroneous Polar Distances, to avoid such wholesale loss of work done, each observation taken during the time was compared with previous or subsequent determinations and the results accepted or rejected accordingly. Out of 1146 observations made during the time of uncertainty 258 were thus necessarily rejected. The misfortune was not however without a useful result, as it was this unexpected and

enforced examination which first realized the general trustlessness of the old native assistants' reductions and the absolute necessity of personal revision by the Astronomer. In the results already printed, these careless mistakes being unforeseen were unfortunately not detected until the separate results had been struck off, causing a most undesirable list of errata and in some cases even involving the reprinting of a few forms. It is hoped however that the scrupulous previous revision now adopted will obviate such annoyance and delay in the publication of the results of future years.

The persistence of the positive sign in the Polar Distance columns of the last table of *Corrections to the Nautical Almanac Stars as given by the Madras Mean Positions*, clearly indicates the necessity of an increase of the assumed latitude. It would appear that the value adopted by Mr. T. G. Taylor in the old Madras Catalogue for 1835, viz., 13° 4′ 9″·1, was nearer the truth than that preferred by his successor, Captain W. S. Jacob, which was 1″ smaller and has been used ever since. This will of course be discussed and allowed for before the final catalogue for 1875 is constructed, but cannot be safely decided at the present time.

The large differences in both R. A. and P. D. of the seven southern stars not observable in Europe, are due to the erroneous positions adopted in the Nautical Almanacs for the respective years; before the improved places furnished by the observations at the Cape Royal Observatory and at Melbourne were available, and when those of the old *British Association Catalogue* were still unavoidably taken. When the Madras Mean Positions of these stars are compared with the more modern values now used in the Nautical Almanac, reduced back to the required years, the corrections are pretty much the same as those for all the other stars in the list.

For α Centauri, the Nautical Almanac gives α^2 as being the principal star, whereas α^1 was the brighter first-magnitude member of the pair, and α^2, the companion, was 7″·5 north following 0s·31 of α^1.

Besides the positions of fixed stars given in this volume, the Moon was also observed with the Meridian Circle on 176 nights, Mars on 33 at the opposition of 1867, and minor Planets on 209 occasions during the three years; but these are deferred until the Star Catalogue is completed, when a volume of planetary and cometary observations will it is hoped follow. My own judgment would have led me to publish this first and the star work afterwards.

Instrumental Corrections adopted in 1865.

Date.		Index.	Run in 5′	Clock Rate.	Inclination.	Collimation.	Meridian.	Determining Stars.
		″	″	s	s	s	s	
Jan.	4	+ 2·6	− 0·1	− 0·15	− 0·42	− 0·10	+ 0·09	
	6	+ 2·1	− 0·1	− 0·01	− 0·36	− 0·05	+ 0·09	43 R. P. L. and γ¹ Eridani.
	7	+ 1·6	− 0·1	+ 0·03	− 0·38	− 0·06	+ 0·08	
	9	+ 2·1	− 0·1	− 0·01	− 0·37	− 0·06	+ 0·06	
	10	+ 2·0	− 0·1	− 0·04	− 0·34	− 0·06	+ 0·05	35 R. P. L. and ε Urs. Min.
	11	+ 1·1	− 0·1	0·00	− 0·27	0·00	+ 0·05	
	12	+ 1·3	− 0·1	+ 0·04	− 0·33	− 0·02	+ 0·05	
	13	+ 1·1	− 0·1	+ 0·08	− 0·34	− 0·03	+ 0·05	
	14	+ 0·9	− 0·1	+ 0·10	− 0·39	− 0·08	+ 0·04	
	17	+ 0·7	+ 0·2	+ 0·17	− 0·30	+ 0·01	+ 0·04	51 Cephei and δ Urs. Min.
	18	+ 1·2	+ 0·2	+ 0·12	− 0·33	− 0·04	+ 0·06	
	19	+ 1·0	+ 0·2	− 0·05	− 0·33	− 0·01	+ 0·08	
	20	+ 0·6	+ 0·2	− 0·01	− 0·33	0·00	+ 0·10	
	21	+ 0·2	+ 0·2	+ 0·06	− 0·33	0·00	+ 0·12	51 Cephei and λ Urs. Min.
	23	− 0·3	+ 0·2	+ 0·07	− 0·37	− 0·05	+ 0·10	
	24	+ 0·1	+ 0·2	+ 0·07	− 0·33	− 0·02	+ 0·09	
	25	− 0·1	+ 0·2	+ 0·07	− 0·36	− 0·06	+ 0·07	
	26	+ 0·4	+ 0·2	+ 0·06	− 0·34	− 0·05	+ 0·06	
	27	+ 0·5	+ 0·2	+ 0·11	− 0·32	− 0·03	+ 0·05	51 Cephei and δ Urs. Min.
	28	− 0·6	− 0·1	+ 0·14	− 0·39	− 0·08	+ 0·03	
	30	0·0	− 0·1	+ 0·11	− 0·36	− 0·08	− 0·01	
	31	− 0·4	− 0·1	+ 0·09	− 0·41	− 0·09	− 0·02	
Feb.	2	− 0·5	− 0·3	+ 0·25	− 0·30	− 0·04	− 0·06	
	3	− 0·8	− 0·3	+ 0·19	− 0·30	− 0·05	− 0·08	Pollux and δ Urs. Min.
	4	− 1·0	− 0·3	+ 0·03	− 0·30	− 0·05	− 0·07	
	6	− 0·6	− 0·3	+ 0·16	− 0·25	− 0·02	− 0·04	
	8	− 0·9	− 0·3	+ 0·10	− 0·31	− 0·08	− 0·01	43 R. P. L. and ε Urs. Min.
	9	− 0·9	− 0·3	+ 0·06	− 0·29	− 0·06	− 0·01	
	10	+ 0·4	− 0·3	− 0·10	− 0·27	− 0·06	− 0·01	
	11	− 0·3	− 0·3	− 0·09	− 0·14	+ 0·04	− 0·02	
	13	+ 0·1	− 0·3	+ 0·36	− 0·22	− 0·02	− 0·02	
	14	− 0·3	− 0·3	+ 0·16	− 0·27	− 0·06	− 0·02	
	15	− 0·6	+ 0·3	+ 0·01	− 0·17	+ 0·01	− 0·03	
	16	− 0·1	+ 0·1	+ 0·10	− 0·19	− 0·05	− 0·03	51 Cephei and δ Urs. Min.
	17	+ 0·2	+ 0·1	+ 0·11	− 0·17	+ 0·01	− 0·01	
	18	0·0	+ 0·1	+ 0·10	− 0·12	+ 0·04	0·00	
	20	− 0·8	+ 0·1	+ 0·22	− 0·09	+ 0·08	+ 0·03	
	21	+ 0·2	+ 0·1	+ 0·25	− 0·10	+ 0·02	+ 0·04	
	22	− 0·9	+ 0·1	+ 0·21	− 0·17	+ 0·03	+ 0·06	51 Cephei and λ Urs. Min.
	23	− 0·2	+ 0·1	+ 0·31	− 0·14	+ 0·05	+ 0·05	
	24	− 0·4	+ 0·1	+ 0·27	− 0·25	0·00	+ 0·05	
	25	− 0·1	+ 0·1	+ 0·14	− 0·16	+ 0·08	+ 0·04	
	27	0·0	+ 0·1	+ 0·46	− 0·18	+ 0·07	+ 0·03	
	28	− 0·7	+ 0·1	+ 0·37	− 0·22	− 0·04	+ 0·02	
Mar.	1	− 0·3	− 0·3	+ 0·19	− 0·19	− 0·07	+ 0·02	
	2	− 0·6	− 0·3	+ 0·22	− 0·23	− 0·05	+ 0·01	45 and 131 R. P. L.
	3	+ 0·1	− 0·3	+ 0·23	− 0·21	− 0·04	+ 0·01	
	4	− 0·[illegible]	− 0·3	+ 0·21	− 0·22	− 0·05	+ 0·02	
	6	− 0·1	− 0·3	+ 0·26	− 0·15	− 0·01	+ 0·02	
	7	0·0	− 0·3	+ 0·30	− 0·15	0·00	+ 0·03	
	9	+ 0·2	− 0·3	+ 0·19	− 0·15	0·00	+ 0·04	
	10	− 0·5	− 0·3	+ 0·17	− 0·08	+ 0·04	+ 0·04	40 R. P. L. and 15 Argûs
	11	− 0·2	− 0·3	+ 0·19	− 0·07	+ 0·03	+ 0·04	
	13	0·0	− 0·3	+ 0·18	− 0·04	+ 0·07	+ 0·04	
	14	− 0·4	− 0·3	+ 0·23	− 0·03	+ 0·09	+ 0·04	
	15	− 0·5	− 0·3	+ 0·23	− 0·21	− 0·05	+ 0·04	
	16	0·0	+ 0·1	+ 0·17	− 0·13	− 0·03	+ 0·04	

Jan. 2[illegible].—Index and inclination correction interpolated.

Instrumental Corrections adopted in 1865.

Date	Index.	Run in 5′	Clock Rate.	Inclination.	Collimation.	Meridian.	Determining Stars.
	″	″	s	s	s	s	
Mar. 17	+ 0·4	+ 0·1	+ 0·22	− 0·14	− 0·05	+ 0·04	
18	0·0	+ 0·1	+ 0·26	− 0·10	0·00	+ 0·04	ι Urs. Maj. and λ Urs. Min.
20	+ 0·6	+ 0·1	+ 0·30	− 0·13	− 0·01	+ 0·04	
21	+ 0·2	+ 0·1	+ 0·33	− 0·04	0·00	+ 0·04	
22	+ 0·4	+ 0·1	+ 0·22	− 0·12	− 0·01	+ 0·04	
23	+ 0·1	+ 0·1	+ 0·23	− 0·09	+ 0·03	+ 0·04	70 and 150 R. P. L.
24	− 0·1	+ 0·1	+ 0·40	− 0·12	− 0·01	+ 0·03	
25	+ 0·7	+ 0·1	+ 0·38	− 0·16	− 0·02	+ 0·02	
27	+ 0·6	+ 0·1	+ 0·30	− 0·13	− 0·02	− 0·01	
28	+ 0·4	+ 0·1	+ 0·28	− 0·13	0·00	− 0·02	
29	+ 0·5	+ 0·1	+ 0·30	− 0·10	+ 0·02	− 0·03	
30	+ 0·4	+ 0·1	+ 0·28	− 0·11	+ 0·01	− 0·05	
31	+ 0·6	+ 0·1	+ 0·40	− 0·05	+ 0·05	− 0·06	
Apl. 1	+ 0·7	− 0·2	+ 0·50	− 0·12	− 0·05	− 0·07	70 R. P. L. and δ Crateris.
3	+ 1·0	− 0·2	+ 0·28	− 0·13	− 0·06	− 0·03	
4	+ 1·0	− 0·2	+ 0·30	− 0·09	− 0·01	− 0·01	
5	+ 1·1	− 0·3	+ 0·23	− 0·01	+ 0·04	0·00	
6	+ 1·3	− 0·2	+ 0·26	+ 0·05	+ 0·09	+ 0·02	
7	+ 1·8	− 0·2	+ 0·40	− 0·01	+ 0·03	+ 0·04	
8	+ 1·7	− 0·2	+ 0·37	− 0·01	+ 0·03	+ 0·06	70 R. P. L. and Polaris.
10	+ 1·5	− 0·2	+ 0·28	+ 0·04	+ 0·05	+ 0·06	
11	+ 1·4	− 0·2	+ 0·37	0·00	+ 0·03	+ 0·06	
12	+ 1·3	− 0·2	+ 0·42	− 0·06	− 0·03	+ 0·05	
19	+ 1·7	0·0	+ 0·25	+ 0·01	+ 0·02	+ 0·04	
20	+ 1·6	0·0	+ 0·21	− 0·03	− 0·01	+ 0·04	12 Can. Ven. and Polaris.
21	+ 2·5	0·0	+ 0·23	− 0·02	0·00	+ 0·04	
22	+ 2·2	0·0	+ 0·31	− 0·03	− 0·03	+ 0·04	
24	+ 2·0	0·0	+ 0·19	− 0·01	+ 0·03	+ 0·04	
25	+ 2·0	0·0	+ 0·24	+ 0·10	+ 0·05	+ 0·04	
26	+ 1·8	0·0	+ 0·28	+ 0·01	+ 0·04	+ 0·04	99 R. P. L. and Polaris.
27	+ 1·9	0·0	+ 0·21	+ 0·05	+ 0·05	+ 0·03	
28	+ 1·9	0·0	+ 0·36	+ 0·02	+ 0·04	+ 0·03	
29	+ 2·4	0·0	+ 0·44	+ 0·02	+ 0·02	+ 0·02	
May 1	+ 3·2	− 0·3	+ 0·35	+ 0·04	+ 0·04	+ 0·01	
2	+ 2·9	− 0·3	+ 0·29	+ 0·02	0·00	0·00	99 R. P. L. and ε Corvi.
3	+ 1·5	− 0·3	+ 0·29	+ 0·06	+ 0·02	+ 0·01	
4	+ 1·9	− 0·3	+ 0·25	+ 0·06	+ 0·01	+ 0·01	
5	+ 2·5	− 0·3	+ 0·17	+ 0·12	+ 0·04	+ 0·02	
8	+ 2·2	− 0·3	+ 0·29	+ 0·07	+ 0·02	+ 0·04	92 R. P. L. and Polaris.
9	+ 2·1	− 0·3	+ 0·34	+ 0·05	− 0·02	+ 0·06	
10	+ 2·5	− 0·3	+ 0·33	+ 0·07	+ 0·02	+ 0·08	β Leonis and Polaris.
11	+ 2·1	− 0·3	+ 0·30	+ 0·13	+ 0·03	+ 0·07	
12	+ 1·7	− 0·3	+ 0·36	+ 0·11	0·00	+ 0·07	
13	+ 1·5	− 0·3	+ 0·38	+ 0·10	− 0·02	+ 0·06	
15	+ 1·8	− 0·3	+ 0·27	+ 0·17	0·00	+ 0·05	92, 99 R. P. L. and Polaris.
16	+ 2·1	+ 0·1	+ 0·41	+ 0·12	+ 0·04	+ 0·05	
17	+ 2·2	− 0·3	+ 0·50	+ 0·10	+ 0·03	+ 0·05	
18	+ 2·0	+ 0·1	+ 0·40	+ 0·06	− 0·02	+ 0·05	
20	+ 2·3	+ 0·1	+ 0·42	+ 0·01	− 0·02	+ 0·04	
22	+ 2·1	+ 0·1	+ 0·43	+ 0·05	+ 0·01	+ 0·04	92 R. P. L. and Polaris.
23	+ 2·2	+ 0·1	+ 0·46	+ 0·02	− 0·02	+ 0·01	
25	+ 2·7	+ 0·1	+ 0·48	− 0·04	− 0·04	− 0·03	
26	+ 2·0	+ 0·1	+ 0·39	− 0·01	− 0·03	− 0·06	99 R. P. L. and Polaris.
27	+ 2·1	+ 0·1	+ 0·35	0·00	− 0·01	− 0·05	
29	+ 2·6	+ 0·1	+ 0·43	+ 0·04	+ 0·02	− 0·02	
30	+ 2·4	+ 0·1	+ 0·42	+ 0·02	+ 0·01	− 0·01	
31	+ 2·4	+ 0·1	+ 0·41	+ 0·01	− 0·01	0·00	

Instrumental Corrections adopted in 1865.

Date.		Index.	Run in 5′	Clock Rate.	Inclination.	Collimation.	Meridian.	Determining Stars.
		″	″	s	s	s	s	
June	1	+ 2·3	− 0·2	+ 0·40	+ 0·02	+ 0·03	+ 0·01	
	3	+ 1·9	− 0·2	+ 0·44	+ 0·02	− 0·03	+ 0·04	ρ Bootis and Polaris
	5	+ 2·5	− 0·2	+ 0·40	+ 0·14	+ 0·04	+ 0·05	
	6	+ 2·5	− 0·2	+ 0·44	+ 0·13	+ 0·02	+ 0·05	
	7	+ 1·8	− 0·2	+ 0·51	+ 0·13	0·00	+ 0·06	
	8	+ 2·4	− 0·2	+ 0·51	+ 0·10	− 0·01	+ 0·06	
	12	+ 1·8	− 0·2	+ 0·47	+ 0·12	− 0·01	+ 0·08	
	14	+ 1·8	− 0·2	+ 0·47	+ 0·10	− 0·01	+ 0·09	
	19	+ 2·4	+ 0·2	+ 0·63	+ 0·16	+ 0·04	+ 0·11	β U. M., 111 & 33 R. P. L.
	20	+ 2·2	+ 0·2	+ 0·64	+ 0·09	0·00	+ 0·11	
	23	+ 2·4	+ 0·2	+ 0·59	+ 0·13	+ 0·03	+ 0·10	
	24	+ 2·5	+ 0·2	+ 0·60	+ 0·15	+ 0·06	+ 0·09	
	29	+ 3·0	+ 0·2	+ 0·73	+ 0·12	+ 0·06	+ 0·07	
July	1	+ 2·4	− 0·3	+ 0·64	+ 0·11	− 0·02	+ 0·07	
	3	+ 2·2	− 0·3	+ 0·55	+ 0·15	+ 0·04	+ 0·06	
	7	+ 2·4	− 0·3	+ 0·59	+ 0·14	+ 0·05	+ 0·05	
	12	+ 2·7	− 0·3	+ 0·57	+ 0·14	+ 0·07	+ 0·03	
	14	+ 3·4	− 0·3	+ 0·77	+ 0·04	+ 0·02	+ 0·02	ε Urs. Min. and μ^1 Sagit.
	15	+ 3·2	− 0·3	+ 0·81	+ 0·02	+ 0·01	− 0·01	116 R. P. L. and ε Herc.
	18	+ 3·0	− 0·3	+ 0·68	+ 0·09	− 0·01	0·00	
	21	+ 3·0	− 0·3	+ 0·48	0·00	− 0·03	+ 0·02	
	22	+ 3·9	− 0·3	+ 0·51	+ 0·11	+ 0·03	+ 0·02	ε Urs. Min. and μ^1 Sagit.
	24	+ 2·7	− 0·3	+ 0·74	+ 0·08	+ 0·03	+ 0·01	
	26	+ 3·1	− 0·3	+ 0·76	+ 0·10	+ 0·03	+ 0·01	
	27	+ 3·1	− 0·3	+ 0·73	+ 0·07	+ 0·04	0·00	
	28	+ 2·6	− 0·3	+ 0·74	+ 0·08	+ 0·06	0·00	
	29	+ 3·3	− 0·3	+ 0·78	+ 0·06	+ 0·04	0·00	
	31	+ 4·3	− 0·3	+ 0·71	0·00	0·00	− 0·01	
Aug.	2	+ 3·8	+ 0·2	+ 0·66	+ 0·04	+ 0·03	− 0·02	
	3	+ 3·5	+ 0·2	+ 0·71	+ 0·04	+ 0·04	− 0·02	
	5	+ 3·5	+ 0·2	+ 0·75	+ 0·12	+ 0·06	− 0·03	
	8	+ 4·9	+ 0·2	+ 0·68	+ 0·01	+ 0·01	− 0·04	λ Urs. Min. and α Pavonis.
	11	+ 4·9	+ 0·2	+ 0·72	+ 0·07	+ 0·05	+ 0·01	δ Urs. Min. and 51 Cephei.
	17	+ 5·2	+ 0·2	+ 0·71	+ 0·09	+ 0·02	− 0·03	
	18	+ 5·2	+ 0·2	+ 0·73	− 0·08	− 0·01	− 0·04	
	23	+ 5·3	+ 0·2	+ 0·70	− 0·02	+ 0·05	− 0·06	
	24	+ 4·9	+ 0·2	+ 0·80	+ 0·03	+ 0·04	− 0·06	
	25	+ 5·6	+ 0·2	+ 1·02	− 0·07	+ 0·02	− 0·06	
	26	+ 5·9	+ 0·2	+ 1·02	− 0·11	+ 0·02	− 0·07	
	28	+ 6·0	+ 0·2	+ 0·77	− 0·09	− 0·01	− 0·08	
Sep.	1	+ 6·0	+ 0·2	+ 1·02	− 0·14	+ 0·02	− 0·09	δ Urs. Min. and 51 Cephei
	2	+ 5·3	+ 0·2	+ 1·01	− 0·12	+ 0·04	− 0·08	
	5	+ 6·8	− 0·2	+ 0·81	− 0·13	+ 0·02	− 0·08	λ Urs. Min. and η Aquarii
	6	+ 6·4	− 0·2	+ 0·93	− 0·13	+ 0·04	− 0·08	
	7	+ 6·5	− 0·2	+ 0·85	− 0·16	+ 0·04	− 0·08	
	8	+ 6·4	− 0·2	+ 0·90	− 0·15	+ 0·03	− 0·08	
	11	+ 6·1	− 0·2	+ 0·87	− 0·13	+ 0·02	− 0·08	
	12	+ 6·1	− 0·2	+ 0·94	− 0·13	+ 0·04	− 0·08	
	13	+ 6·1	− 0·2	+ 0·94	− 0·13	+ 0·02	− 0·08	160 and 72 R. P. L.
	14	+ 5·7	− 0·2	− 0·30	− 0·11	+ 0·03	− 0·09	
	15	+ 5·5	− 0·2	− 0·30	− 0·16	+ 0·04	− 0·10	
	16	+ 5·6	0·0	− 0·35	− 0·16	+ 0·06	− 0·10	
	21	+ 3·9	0·0	− 0·59	− 0·15	+ 0·08	− 0·14	
	22	+ 5·6	0·0	− 0·68	− 0·18	+ 0·01	− 0·15	λ Urs. Min. and ε Aquarii.
	23	+ 5·0	0·0	− 0·73	− 0·16	+ 0·04	− 0·14	
	25	+ 5·3	0·0	− 0·67	− 0·15	+ 0·04	− 0·12	

July 7.—The instrumental corrections interpolated.
Sep. 13.—The transit-clock put forward one minute and its rate adjusted.

Instrumental Corrections adopted in 1865.

Date.	Index.	Run in 5′	Clock Rate.	Inclination.	Collimation.	Meridian.	Determining Stars.
	″	″	s	s	s	s	
Sep. 26	+ 5·1	0·0	− 0·69	− 0·12	+ 0·05	− 0·11	
28	+ 4·6	0·0	− 0·70	− 0·16	+ 0·05	− 0·10	
29	+ 4·4	0·0	− 0·79	− 0·15	+ 0·07	− 0·09	
30	+ 4·7	0·0	− 0·86	− 0·10	+ 0·07	− 0·08	λ Urs. Min. and α Gruis
Oct. 2	+ 5·1	− 0·2	− 0·80	− 0·11	+ 0·08	− 0·02	
3	+ 4·1	− 0·2	− 0·85	− 0·12	+ 0·05	+ 0·01	3 Cygni and 70 R. P. L.
4	+ 3·6	− 0·2	− 0·77	− 0·08	+ 0·07	− 0·01	
5	+ 4·3	− 0·2	− 0·76	− 0·17	+ 0·04	− 0·03	
6	+ 4·0	− 0·2	− 0·76	− 0·12	+ 0·05	− 0·06	
7	+ 4·4	− 0·2	− 0·67	− 0·12	+ 0·05	− 0·08	Polaris and 110 R. P. L.
9	+ 4·1	− 0·2	− 0·81	− 0·11	+ 0·04	− 0·06	
10	+ 3·5	− 0·2	− 0·86	− 0·06	+ 0·07	− 0·05	
11	+ 3·3	− 0·2	− 0·80	− 0·07	+ 0·07	− 0·04	
12	+ 3·8	− 0·2	− 0·80	− 0·10	+ 0·02	− 0·03	
13	+ 2·7	− 0·2	− 0·86	− 0·14	+ 0·05	− 0·02	
14	+ 3·3	− 0·2	− 0·91	− 0·10	+ 0·04	− 0·01	150 and 89 R. P. L.
16	+ 2·8	+ 0·1	− 0·92	− 0·10	+ 0·08	− 0·01	
17	+ 3·2	+ 0·1	− 0·89	− 0·13	+ 0·09	− 0·01	
18	+ 3·1	+ 0·1	− 0·87	− 0·11	+ 0·09	− 0·01	
23	+ 4·0	+ 0·1	− 0·80	− 0·13	+ 0·07	0·00	12 R. P. L., Pol. & Fomalhaut
24	+ 4·2	+ 0·1	− 0·78	− 0·12	+ 0·09	− 0·01	
25	+ 3·9	+ 0·1	− 0·79	− 0·14	+ 0·08	− 0·02	
26	+ 3·7	+ 0·1	− 0·78	− 0·14	+ 0·06	− 0·03	
27	+ 3·4	+ 0·1	− 0·78	− 0·15	+ 0·07	− 0·04	
28	+ 3·4	+ 0·1	− 0·82	− 0·15	+ 0·07	− 0·05	
31	+ 5·8	+ 0·1	− 0·84	− 0·24	+ 0·04	− 0·08	Polaris and Achernar.
Nov. 1	+ 5·8	0·0	− 0·84	− 0·25	+ 0·03	− 0·08	
3	+ 6·5	0·0	− 0·75	− 0·28	+ 0·05	− 0·08	Polaris and Achernar.
4	+ 6·6	0·0	− 0·75	− 0·31	+ 0·02	− 0·07	
8	+ 6·4	0·0	− 0·87	− 0·32	+ 0·06	− 0·03	12 R. P. L. and 12 Ceti.
10	+ 7·3	0·0	− 0·96	− 0·45	0·00	− 0·04	
11	+ 7·0	0·0	− 0·97	− 0·41	+ 0·03	− 0·05	
13	+ 6·5	0·0	− 0·88	− 0·45	+ 0·02	− 0·06	
14	+ 6·5	0·0	− 0·90	− 0·49	+ 0·01	− 0·07	Polaris and 114 R. P. L.
15	+ 4·8	0·0	− 0·90	− 0·44	+ 0·03	− 0·09	
16	+ 5·9	− 0·1	+ 0·22	− 0·42	+ 0·06	− 0·10	
17	+ 6·4	− 0·1	+ 0·22	− 0·41	+ 0·04	− 0·12	Polaris and β Ceti.
18	+ 4·2	− 0·1	+ 0·26	− 0·36	+ 0·06	− 0·12	
21	+ 6·9	− 0·1	+ 0·37	− 0·35	+ 0·03	− 0·12	
22	+ 6·4	− 0·1	+ 0·38	− 0·44	+ 0·01	− 0·12	Polaris and Achernar.
27	+ 9·2	− 0·1	+ 0·06	− 0·58	− 0·03	− 0·06	Polaris and 103 R. P. L.
28	+ 9·2	− 0·1	+ 0·25	− 0·47	+ 0·11	− 0·06	
29	+ 9·4	− 0·1	+ 0·44	− 0·53	+ 0·03	− 0·06	
30	+ 8·6	0·0	+ 0·36	− 0·10	0·00	− 0·06	Polaris and Achernar.
Dec. 1	+ 8·5	0·0	+ 0·22	− 0·09	0·00	− 0·05	
2	+ 9·5	0·0	+ 0·15	− 0·01	+ 0·03	− 0·08	
5	+ 7·3	0·0	+ 0·21	− 0·02	− 0·01	+ 0·01	Polaris and β Ceti.
7	+ 7·0	0·0	+ 0·17	− 0·02	− 0·01	+ 0·04	
8	+ 8·4	0·0	+ 0·18	− 0·06	− 0·01	+ 0·06	
9	+ 8·7	0·0	+ 0·22	+ 0·02	− 0·02	+ 0·08	33 R. P. L. and e^1 Eridani.
11	+ 8·3	0·0	+ 0·21	− 0·03	+ 0·03	+ 0·09	Polaris, 33 and 108 R. P. L.
12	+ 7·1	0·0	+ 0·21	− 0·01	0·00	+ 0·09	
13	+ 7·1	0·0	+ 0·25	+ 0·02	+ 0·04	+ 0·10	
14	+ 6·4	0·0	+ 0·22	+ 0·01	+ 0·03	+ 0·10	
15	+ 6·7	+ 0·2	+ 0·20	− 0·04	+ 0·02	+ 0·10	
16	+ 7·1	+ 0·2	+ 0·21	− 0·06	+ 0·01	+ 0·10	

Nov. 15.—The transit clock rate adjusted.
Nov. 21.—The instrument thoroughly examined and cleaned.
Nov. 30.—The inclination error adjusted.

Instrumental Corrections adopted in 1865.

Date.	Index.	Run in 5′	Clock Rate.	Inclination.	Collimation.	Meridian.	Determining Stars.
	″	″	s	s	s	s	
Dec. 18	+ 6·2	+ 0·2	+ 0·21	− 0·03	+ 0·05	+ 0·11	
19	+ 5·4	+ 0·2	+ 0·21	− 0·03	+ 0·05	+ 0·11	
20	+ 6·2	+ 0·2	+ 0·27	− 0·01	+ 0·07	+ 0·12	
21	+ 5·9	+ 0·2	+ 0·33	− 0·07	+ 0·02	+ 0·12	33, 34 and 116 R. P. L
22	+ 5·8	+ 0·2	+ 0·32	− 0·04	+ 0·03	+ 0·12	
25	+ 5·2	+ 0·2	+ 0·27	− 0·02	+ 0·04	+ 0·12	
28	+ 4·6	+ 0·2	+ 0·28	+ 0·04	+ 0·02	+ 0·12	
30	+ 3·7	0·0	+ 0·31	− 0·01	+ 0·01	+ 0·13	

Instrumental Corrections adopted in 1866.

Date.	Index.	Run in 5′	Clock Rate.	Inclination.	Collimation.	Meridian.	Determining Stars.
	″	″	s	s	s	s	
Jan. 3	+ 3·3	− 0·1	+ 0·37	+ 0·02	+ 0·02	+ 0·08	
4	+ 3·0	− 0·1	+ 0·35	− 0·01	− 0·01	+ 0·07	
5	+ 2·5	− 0·1	+ 0·29	+ 0·01	0·00	+ 0·07	51 Cephei and ε Urs. Min.
6	+ 2·5	− 0·1	+ 0·26	+ 0·04	+ 0·03	+ 0·08	
8	+ 2·4	− 0·1	+ 0·23	+ 0·05	+ 0·02	+ 0·10	
10	+ 1·8	− 0·1	+ 0·19	+ 0·06	+ 0·04	+ 0·12	
11	+ 1·0	− 0·1	+ 0·17	+ 0·05	+ 0·03	+ 0·14	
12	+ 0·8	− 0·1	+ 0·18	+ 0·01	0·00	+ 0·15	
13	+ 1·9	− 0·1	+ 0·23	− 0·01	+ 0·03	+ 0·16	
15	+ 0·9	− 0·1	+ 0·12	+ 0·07	+ 0·04	+ 0·18	51 Cephei and ε Urs. Min.
16	+ 2·0	− 0·1	+ 0·24	+ 0·07	+ 0·06	+ 0·17	
17	+ 1·6	− 0·1	+ 0·30	+ 0·02	+ 0·06	+ 0·16	
18	+ 1·0	− 0·1	+ 0·24	+ 0·05	+ 0·06	+ 0·15	
19	+ 0·5	− 0·1	+ 0·37	+ 0·04	+ 0·05	+ 0·14	
20	+ 1·0	− 0·1	+ 0·39	+ 0·03	+ 0·04	+ 0·13	
22	+ 0·6	− 0·1	+ 0·34	+ 0·06	+ 0·06	+ 0·11	51 Cephei and ε Urs. Min.
23	+ 1·1	− 0·1	+ 0·35	+ 0·03	+ 0·04	+ 0·11	
24	+ 0·9	− 0·1	+ 0·37	+ 0·07	+ 0·06	+ 0·12	
25	+ 0·7	− 0·1	+ 0·40	+ 0·02	+ 0·03	+ 0·12	45 R. P. L. and λ Urs. Min.
26	+ 0·3	− 0·1	+ 0·35	+ 0·03	+ 0·04	+ 0·12	
27	+ 0·8	− 0·1	+ 0·31	+ 0·03	+ 0·01	+ 0·11	
29	+ 0·8	− 0·1	+ 0·32	+ 0·04	+ 0·07	+ 0·11	
30	+ 1·2	− 0·1	+ 0·32	+ 0·08	+ 0·03	+ 0·10	
31	+ 0·9	− 0·1	+ 0·28	+ 0·06	+ 0·04	+ 0·10	
Feb. 1	+ 0·3 + 1·4 + 1·9	− 0·1	+ 0·25	+ 0·10 + 0·13 + 0·17	+ 0·06 + 0·05 + 0·02	+ 0·10	
2	+ 1·8	− 0·1	+ 0·38	+ 0·16	+ 0·02	+ 0·09	
3	+ 0·3	− 0·1	+ 0·41	+ 0·16	+ 0·02	+ 0·09	43 R. P. L. and δ Urs. Min.
5	+ 0·0	− 0·1	+ 0·16	+ 0·15	+ 0·02	+ 0·08	
6	+ 1·0	− 0·1	+ 0·29	+ 0·20	+ 0·01	+ 0·07	
7	+ 0·6	− 0·1	+ 0·32	+ 0·13	− 0·02	+ 0·07	
8	+ 0·6	− 0·1	+ 0·22	+ 0·22	+ 0·04	+ 0·06	
9	− 2·3	− 0·1	+ 0·30	+ 0·18	+ 0·02	+ 0·06	
10	− 1·6	− 0·1	+ 0·27	+ 0·21	+ 0·02	+ 0·06	51 Cephei and δ Urs. Min.
12	− 4·3	− 0·1	+ 0·25	+ 0·23	+ 0·01	+ 0·07	

Feb. 1.—The index, inclination and collimation corrections by three observers; R., P. and M.
Feb. 8.—The collimator rooms under repair and being painted inside.
Feb. 9.—The microscopes cleaned and the index error adjusted.

Instrumental Corrections adopted in 1866.

Date		Index.	Run in 5′	Clock Rate.	Inclina-tion.	Collima-tion.	Meridian.	Determining Stars.
		″	″	s	s	s	s	
Feb.	13	− 1·5	− 0·1	+ 0·27	+ 0·22	+ 0·03	+ 0·07	
	14	− 1·1	− 0·1	+ 0·30	+ 0·27	+ 0·02	+ 0·08	
	15	− 1·7	− 0·1	+ 0·27	+ 0·29	+ 0·06	+ 0·09	
	16	− 2·6	− 0·1	+ 0·28	+ 0·24	+ 0·05	+ 0·10	
	17	− 1·8	− 0·1	+ 0·26	+ 0·22	+ 0·04	+ 0·11	
	19	− 1·9	− 0·1	+ 0·24	+ 0·21	+ 0·06	+ 0·12	
	20	− 3·5	− 0·1	+ 0·25	+ 0·17	+ 0·05	+ 0·13	45 R. P. L. and λ Urs. Min.
	21	− 2·6	− 0·1	+ 0·24	+ 0·16	+ 0·04	+ 0·13	
	22	− 2·3	− 0·1	+ 0·35	+ 0·16	+ 0·03	+ 0·13	
	23	− 1·6	− 0·1	+ 0·34	+ 0·18	+ 0·01	+ 0·14	
	24	− 3·4	− 0·1	+ 0·24	+ 0·17	+ 0·03	+ 0·14	
	26	− 3·9	− 0·1	+ 0·25	+ 0·20	+ 0·10	+ 0·14	
	27	− 2·6	− 0·1	+ 0·28	+ 0·20	+ 0·09	+ 0·14	
	28	− 2·3	− 0·1	+ 0·34	+ 0·10	+ 0·10	+ 0·15	
Mar.	1	− 1·0	− 0·1	+ 0·32	+ 0·18	+ 0·06	+ 0·15	45 R. P. L. and λ Urs. Min.
	2	− 2·0	− 0·1	+ 0·30	+ 0·16	+ 0·05	+ 0·14	
	3	− 1·8	− 0·1	+ 0·38	+ 0·19	+ 0·07	+ 0·12	
	5	− 3·5	− 0·1	+ 0·40	+ 0·19	+ 0·06	+ 0·09	
	6	− 1·5	− 0·1	+ 0·39	+ 0·19	+ 0·06	+ 0·08	
	7	− 2·7	− 0·1	+ 0·42	+ 0·27	+ 0·11	+ 0·06	
	8	− 2·0	− 0·1	+ 0·30	+ 0·22	+ 0·04	+ 0·05	60 R. P. L. and λ Urs. Min.
	9	− 2·8	− 0·1	+ 0·29	+ 0·20	+ 0·07	+ 0·05	
	10	− 1·6	− 0·1	+ 0·32	+ 0·24	+ 0·04	+ 0·04	
	12	− 1·6	− 0·1	+ 0·44	+ 0·31	+ 0·07	+ 0·04	
	13	− 2·6	− 0·1	+ 0·43	+ 0·25	+ 0·07	+ 0·04	
	14	− 0·9	− 0·1	+ 0·25	+ 0·19	0·00	+ 0·03	
	15	− 0·9	− 0·1	+ 0·26	+ 0·25	+ 0·08	+ 0·03	72 R. P. L. and ι Argûs.
	16	− 0·3	+ 0·1	+ 0·33	+ 0·26	+ 0·04	+ 0·02	
	17	0·0	+ 0·1	+ 0·28	+ 0·31	+ 0·08	+ 0·01	
	19	+ 0·3	+ 0·1	+ 0·35	+ 0·32	+ 0·07	0·00	
	20	+ 0·1	+ 0·1	+ 0·32	+ 0·31	+ 0·07	− 0·01	
	21	+ 0·2	+ 0·1	+ 0·33	+ 0·26	+ 0·05	− 0·02	
	22	0·0	+ 0·1	+ 0·35	+ 0·33	+ 0·06	− 0·03	72 R. P. L. and η Argûs.
	23	− 0·4	+ 0·1	+ 0·33	+ 0·34	+ 0·07	− 0·03	
	24	+ 0·4	+ 0·1	+ 0·30	+ 0·29	+ 0·06	− 0·04	
	26	+ 0·3	+ 0·1	+ 0·20	+ 0·36	+ 0·05	− 0·04	
	27	+ 0·4	+ 0·1	+ 0·25	+ 0·37	+ 0·07	− 0·05	
	28	+ 0·5	+ 0·1	+ 0·30	+ 0·38	+ 0·05	− 0·06	70, 72 R. P. L. and α^1 Crucis.
	30	+ 0·4	+ 0·1	+ 0·23	+ 0·33	+ 0·06	− 0·04	
	31	+ 0·5	+ 0·1	+ 0·23	+ 0·33	+ 0·07	− 0·04	
Apl.	4	− 2·4	− 0·1	+ 0·15	+ 0·42	+ 0·07	− 0·03	
	5	− 0·4	− 0·1	+ 0·14	+ 0·44	+ 0·08	− 0·03	99 and 158 R. P. L.
	6	+ 0·2	− 0·1	+ 0·19	+ 0·42	+ 0·04	− 0·03	
	7	+ 0·5	− 0·1	+ 0·22	+ 0·38	+ 0·06	− 0·03	
	9	+ 1·0	− 0·1	+ 0·33	+ 0·46	+ 0·04	− 0·02	
	10	− 1·6	− 0·1	+ 0·31	+ 0·41	+ 0·02	− 0·02	
	11	− 1·8	− 0·1	+ 0·10	+ 0·38	+ 0·02	− 0·02	
	12	− 2·5	− 0·1	+ 0·21	+ 0·39	+ 0·04	− 0·01	
	13	+ 0·6	− 0·1	+ 0·23	+ 0·42	+ 0·02	− 0·01	
	14	− 1·6	− 0·1	+ 0·17	+ 0·46	+ 0·06	− 0·01	99 R. P. L. and Polaris.
	16	+ 1·9	0·0	+ 0·15	+ 0·51	+ 0·05	− 0·13	
	17	+ 2·1	0·0	+ 0·22	+ 0·52	+ 0·07	− 0·20	
	18	+ 2·2	0·0	+ 0·25	+ 0·48	+ 0·02	− 0·26	
	19	+ 2·0	0·0	+ 0·29	+ 0·46	+ 0·01	− 0·32	103 and 14 R. P. L.
	20	− 2·9	0·0	+ 0·10	+ 0·35	+ 0·02	− 0·40	103 and 14 R. P. L.
	21	+ 2·3	0·0	+ 0·03	+ 0·53	+ 0·05	− 0·23	
	23	+ 1·2	− 0·1	− 0·03	+ 0·57	+ 0·07	− 0·05	89 R. P. L. and Polaris.

Instrumental Corrections adopted in 1866.

Date.		Index.	Run in 5′	Clock Rate.	Inclination.	Collimation.	Meridian.	Determining Stars.
		″	″	s	s	s	s	
Apl.	24	− 2·5	− 0·1	+ 0·09	+ 0·51	+ 0·07	− 0·07	
	25	− 4·0	0·0	+ 0·09	+ 0·40	+ 0·08	− 0·10	92, 103 R. P. L. & Polaris.
	26	− 3·8	0·0	− 0·10	+ 0.42	+ 0·10	− 0·06	3 Virginis and Polaris.
	27	+ 2·0	0·0	− 0·12	+ 0.48	+ 0·03	− 0·11	Arcturus and Polaris.
	28	+ 2·5	0·0	− 0·08	+ 0.59	+ 0·09	− 0·04	12 Can. Ven. and Polaris.
	30	+ 2·2	0·0	+ 0·16	+ 0·57	+ 0·07	− 0·20	
May	1	+ 2·7	0·0	+ 0·18	+ 0·54	+ 0·05	− 0·27	111 and 34 R. P. L.
	2	+ 2·7	0·0	+ 0·23	+ 0·56	+ 0·08	− 0·18	116 and 34 R. P. L.
	3	− 1·9	0·0	+ 0·23	+ 0·42	+ 0·02	− 0·14	89 and 12 R. P. L.
	4	− 0·4	0·0	+ 0·12	+ 0·55	+ 0·06	− 0·13	89 and 12 R. P. L.
	5	+ 2·3	0·0	+ 0·21	+ 0·60	+ 0·10	− 0·08	12 Can. Ven. and Polaris.
	7	− 4·1	0·0	+ 0·09	+ 0·55	+ 0·09	− 0·03	
	8	+ 2·4	0·0	+ 0·13	+ 0·70	+ 0·12	0·00	99 R. P. L. and Polaris.
	9	− 2·2	0·0	+ 0·36	+ 0·65	+ 0·10	− 0·01	
	10	+ 1·4	0·0	+ 0·26	+ 0·59	+ 0·07	− 0·03	99 R. P. L. and Polaris.
	11	+ 3·2	0·0	+ 0·27	+ 0·69	+ 0·10	+ 0·01	
	12	+ 3·4	0·0	+ 0·39	+ 0·65	+ 0·11	+ 0·05	89 R. P. L. and Polaris.
	14	+ 3·8	0·0	+ 0·40	+ 0·66	+ 0·11	+ 0·01	
	15	+ 3·2	0·0	+ 0·31	+ 0·64	+ 0·07	− 0·01	ρ Bootis and Polaris.
	16	+ 2·4	+ 0·1	+ 0·28	+ 0·31	+ 0·13	− 0·04	ε Bootis and Polaris.
	17	+ 2·0	+ 0·1	+ 0·45	+ 0·33	+ 0·13	0·00	
	18	+ 2·5	+ 0·1	+ 0·44	+ 0·31	+ 0·12	+ 0·04	99 R. P. L. and Polaris.
	19	+ 2·3	+ 0·1	+ 0·33	+ 0·29	+ 0·13	+ 0·03	
	21	+ 3·2	+ 0·1	+ 0·45	+ 0·31	+ 0·13	+ 0·02	3 Urs. Min. and Polaris.
	22	+ 3·8	+ 0·1	+ 0·49	+ 0·31	+ 0·13	+ 0·02	
	23	+ 3·5	+ 0·1	+ 0·43	+ 0·33	+ 0·12	+ 0·03	111 R. P. L. and Polaris.
	25	+ 4·0	+ 0·1	+ 0·70	+ 0·38	+ 0·16	+ 0·07	12 Can. Ven. and Polaris.
	26	− 3·3	+ 0·1	+ 0·69	+ 0·19	+ 0·10	+ 0·04	116 and 35 R. P. L.
	28	+ 2·9	+ 0·1	+ 0·57	+ 0·37	+ 0·13	− 0·02	
	29	+ 1·5	+ 0·1	+ 0·44	+ 0·27	+ 0·13	− 0·14	η Urs. Maj. and Polaris.
	30	+ 2·6	+ 0·1	+ 0·31	+ 0·45	+ 0·14	− 0·11	
	31	+ 3·4	+ 0·1	+ 0·42	+ 0·42	+ 0·13	− 0·08	
June	1	− 1·3	+ 0·2	+ 0·43	+ 0·42	+ 0·10	− 0·05	
	4	+ 2·3	+ 0·2	+ 0·37	+ 0·50	+ 0·13	+ 0·03	η Urs. Maj. and Polaris.
	5	+ 2·7	+ 0·2	+ 0·49	+ 0·51	+ 0·12	+ 0·05	3 Herculis and Polaris.
	6	− 4·4	+ 0·2	+ 0·50	+ 0·40	+ 0·17	+ 0·07	
	7	+ 3·1	+ 0·2	+ 0·32	+ 0·49	+ 0·13	+ 0·09	ε Bootis and Polaris.
	8	− 0·8	+ 0·2	+ 0·55	+ 0·54	+ 0·19	+ 0·10	
	9	+ 2·1	+ 0·2	+ 0·71	+ 0·48	+ 0·11	+ 0·10	δ Urs. Min. and Polaris.
	12	+ 2·0	+ 0·2	+ 0·44	+ 0·56	+ 0·14	+ 0·08	
	16	+ 1·8	+ 0·2	+ 0·48	+ 0·60	+ 0·13	+ 0·06	
	19	+ 0·4	+ 0·2	+ 0·50	+ 0·55	+ 0·12	+ 0·04	
	22	+ 0·6	+ 0·2	+ 0·54	+ 0·59	+ 0·13	+ 0·02	
	25	+ 0·3	+ 0·3	+ 0·55	+ 0·63	+ 0·14	0·00	116 and 40 R. P. L.
	26	+ 0·2	+ 0·3	+ 0·55	+ 0·64	+ 0·12	+ 0·01	
	27	+ 0·2	+ 0·3	+ 0·63	+ 0·64	+ 0·11	+ 0·02	
	29	− 7·0	+ 0·3	+ 0·59	+ 0·52	+ 0·12	+ 0·04	
	30	+ 0·9	+ 0·3	+ 0·55	+ 0·67	+ 0·12	+ 0·05	δ Urs. Min. and 51 Cephei.
July	2	+ 0·3	0·0	+ 0·71	+ 0·67	+ 0·12	+ 0·05	
	5	− 0·4	0·0	+ 0·73	+ 0·29	+ 0·14	+ 0·26	δ Urs. Min. and 51 Cephei.
	6	+ 6·2	0·0	+ 0·75	+ 0·30	+ 0·14	+ 0·27	
	7	+ 5·1	0·0	+ 0·78	+ 0·28	+ 0·10	+ 0·28	δ Urs. Min. and 51 Cephei.
	13	+ 3·0	0·0	+ 0·73	+ 0·13	− 0·02	+ 0·22	3 Herculis and 51 Cephei.
	16	+ 4·0	0·0	+ 0·74	+ 0·19	+ 0·02	+ 0·21	
	17	+ 3·2	0·0	+ 0·77	+ 0·13	+ 0·03	+ 0·21	

May 16.—The inclination error adjusted.
June 1.—The microscopes cleaned.
June 19.—The index error adjusted.
July 2.—The inclination error adjusted and the pivots cleaned.
July 5.—The circle clamps repaired and the index error adjusted.

July 12.—The object glass found to be unscrewed about one-sixth of a revolution. This at once explains the unsteadiness of the index and level corrections since last March. It was screwed home and the index error again adjusted.

Instrumental Corrections adopted in 1866.

Date.	Index	Run in 5′	Clock Rate.	Inclination.	Collimation.	Meridian.	Determining Stars
	"	"	s	s	s	s	
July 19	+ 4·2	0·0	+ 0·81	+ 0·12	+ 0·01	+ 0·21	δ Urs. Min. and θ Ophiuchi.
20	+ 4·7	0·0	+ 0·79	+ 0·17	+ 0·01	+ 0·21	
23	+ 3·7	0·0	+ 0·83	+ 0·18	− 0·03	+ 0·19	
24	− 3·9	0·0	+ 0·84	+ 0·18	− 0·01	+ 0·19	
Aug. 3	+ 4·1	0·0	+ 0·78	+ 0·18	+ 0·01	+ 0·14	3 Aquilæ and 51 Cephei.
7	+ 4·9	0·0	+ 0·85	+ 0·20	0·00	+ 0·13	
9	+ 5·1	0·0	+ 0·94	+ 0·21	+ 0·02	+ 0·13	δ Urs. Min. and 51 Cephei.
10	+ 4·3	0·0	+ 0·97	+ 0·24	− 0·02	+ 0·14	
11	+ 5·2	0·0	− 0·40	+ 0·24	0·00	+ 0·14	
16	+ 4·3	0·0	− 0·40	+ 0·28	− 0·04	+ 0·16	δ Urs. Min. and δ Aquilæ.
17	+ 4·5	0·0	− 0·32	+ 0·33	− 0·04	+ 0·11	δ U. M. and μ¹ Sagittarii.
18	+ 4·5	0·0	− 0·26	+ 0·30	− 0·02	+ 0·11	
20	+ 4·0	0·0	− 0·25	+ 0·35	− 0·02	+ 0·11	
21	+ 4·9	0·0	− 0·26	+ 0·33	+ 0·01	+ 0·11	
22	+ 3·8	0·0	− 0·40	+ 0·32	− 0·01	+ 0·11	δ U. M. and λ² Sagittarii.
23	+ 4·7	0·0	− 0·51	+ 0·29	− 0·03	+ 0·12	
25	+ 5·2	0·0	− 0·48	+ 0·26	− 0·03	+ 0·14	
27	+ 5·8	0·0	− 0·37	+ 0·28	− 0·01	+ 0·17	
28	+ 6·2	0·0	− 0·45	+ 0·25	− 0·03	+ 0.18	
29	+ 5·2	0·0	− 0·42	+ 0·31	+ 0·01	+ 0·19	3 Cygni and 70 R. P. L.
30	+ 5·0	0·0	− 0·28	+ 0·29	+ 0·01	+ 0·17	
Sep. 7	+ 6·0	0·0	− 0·44	+ 0·34	0·00	+ 0·02	λ Urs. Min. and β Aquilæ.
8	+ 5·3	0·0	− 0·46	+ 0·41	+ 0·04	+ 0·05	λ U. M. and λ² Sagittarii.
10	+ 6·4	0·0	− 0·38	+ 0·53	+ 0·10	+ 0·03	
12	+ 6·8	0·0	− 0·45	+ 0·45	+ 0·01	+ 0·02	143 R. P. L. and δ Aquilæ.
13	+ 6·0	0·0	− 0·47	+ 0·52	+ 0·01	+ 0·06	λ U. M. and ρ Capricorni.
14	+ 6·9	0·0	− 0·28	+ 0·51	+ 0·05	+ 0·10	
15	+ 7·1	0·0	− 0·23	+ 0·45	− 0·03	+ 0·11	
18	+ 7·1	+ 0·1	− 0·37	+ 0·56	+ 0·02	+ 0·12	
19	+ 7·0	+ 0·1	− 0·40	+ 0·53	+ 0·02	+ 0·13	143 and 69 R. P. L.
20	+ 7·6	+ 0·1	− 0·41	+ 0·56	− 0·01	+ 0·12	
22	+ 7·9	+ 0·1	− 0·36	+ 0·50	− 0·01	+ 0·10	
24	+ 7·4	0·0	− 0·21	+ 0·57	+ 0·02	− 0·08	λ Urs. Min. and β Aquarii.
25	+ 7·9	0·0	− 0·36	+ 0·53	− 0·06	+ 0·09	
26	+ 7·8	0·0	− 0·51	+ 0·58	+ 0·01	+ 0·10	
27	+ 8·4	0·0	− 0·43	+ 0·58	0·00	+ 0·10	
28	+ 8·3	0·0	− 0·38	+ 0·60	+ 0·01	+ 0·11	
29	+ 8·5	0·0	− 0·34	+ 0·60	0·00	+ 0·12	
Oct. 1	+ 8·0	0·0	− 0·41	+ 0·59	− 0·02	+ 0·13	
2	+ 8·7	0·0	− 0·41	+ 0·57	− 0·01	+ 0·14	150 R. P. L. and θ Aquarii.
5	+ 8·7	0·0	− 0·35	+ 0·56	− 0·05	+ 0·09	
6	+ 10·1	0·0	− 0·34	+ 0·54	− 0·03	+ 0·07	3 Cygni and 69 R. P. L.
9	+ 1·4	0·0	− 0·40	+ 0·16	+ 0·02	+ 0·01	
10	+ 1·1	0·0	− 0·32	+ 0·15	+ 0·01	− 0·01	
11	+ 2·1	0·0	− 0·35	+ 0·10	0·00	− 0·03	Polaris and 12 Ceti.
12	+ 2·1	0·0	− 0·48	+ 0·14	0·00	− 0·04	
15	+ 2·4	0·0	− 0·60	+ 0·16	+ 0·02	− 0·08	
16	+ 2·6	0·0	− 0·45	+ 0·20	+ 0·07	− 0·09	
17	+ 3·0	0·0	− 0·32	+ 0·07	− 0·02	− 0·11	
22	+ 6·2	0·0	− 0·60	− 0·17	− 0·04	− 0·17	Polaris and Fomalhaut.
24	+ 6·5	0·0	− 0·63	− 0·25	− 0·05	− 0·14	
25	+ 7·0	− 0·1	− 0·66	− 0·28	− 0·04	− 0·13	Polaris and 101 R. P. L.
27	+ 6·0	− 0·1	− 0·66	− 0·19	+ 0·05	− 0·13	
29	+ 6·2	− 0·1	− 0·53	− 0·22	+ 0·03	− 0·14	
30	+ 5·1	− 0·1	− 0·68	− 0·35	− 0·01	− 0·14	
31	+ 5·0	− 0·1	− 0·78	− 0·27	+ 0·05	− 0·14	
Nov. 1	+ 4·6	0·0	− 0·68	− 0·29	+ 0·04	− 0·15	
3	+ 4·2	0·0	− 0·69	− 0·41	− 0·04	− 0·15	Polaris and 101 R. P. L

Aug. 11.—The transit clock put forward one minute and its rate adjusted.
Oct. 9.—The index and inclination errors adjusted.
Oct. 17 to 22.—Heavy continuous rain: hence the changes in the index and inclination corrections.

Instrumental Corrections adopted in 1866.

Date.	Index.	Run in 5′	Clock Rate.	Inclination.	Collimation.	Meridian.	Determining Stars.
	"	"	s	s	s	s	
Nov. 5	+ 4·5	0·0	− 0·65	− 0·36	− 0·02	− 0·16	
6	+ 4·7	0·0	− 0·62	− 0·38	− 0·04	− 0·16	
7	+ 3·8	0·0	− 0·64	− 0·34	− 0·04	− 0·17	158 R. P. L., Pol. & Achernar
8	+ 3·2	0·0	− 0·70	− 0·32	− 0·02	− 0·16	
9	+ 3·8	0·0	− 0·60	− 0·28	0·00	− 0·15	
10	+ 2·7	0·0	− 0·52	− 0·31	− 0·02	− 0·14	
12	+ 2·6	0·0	− 0·58	− 0·31	0·00	− 0·13	
13	+ 2·5	0·0	− 0·61	− 0·38	− 0·03	− 0·12	
14	+ 2·2	0·0	− 0·69	− 0·38	− 0·04	− 0·11	Polaris and 101 R. P. L.
19	+ 4·9	0·0	− 0·74	− 0·62	− 0·02	− 0·11	Polaris and β Ceti.
22	+ 4·9	0·0	− 0·79	− 0·72	− 0·03	− 0·09	
26	+ 5·9	0·0	− 0·95	− 0·83	0·00	− 0·07	Polaris and 101 R. P. L.
27	+ 6·7	0·0	− 0·97	− 0·94	+ 0·01	− 0·06	
28	+ 0·5	0·0	− 0·01	+ 0·05	− 0·01	− 0·04	
30	+ 0·4	0·0	+ 0·01	+ 0·01	− 0·03	− 0·01	
Dec. 6	+ 0·1	+ 0·1	+ 0·22	− 0·10	− 0·03	+ 0·07	35 and 108 R. P. L.
7	+ 0·5	+ 0·1	+ 0·30	− 0·16	− 0·06	+ 0·07	
8	− 1·1	+ 0·1	+ 0·20	− 0·18	− 0·03	+ 0·06	
10	− 0·9	+ 0·1	+ 0·09	− 0·20	− 0·01	+ 0·06	
12	+ 0·3	+ 0·1	+ 0·08	− 0·24	− 0·04	+ 0·05	
13	+ 1·0	+ 0·1	+ 0·05	− 0·19	− 0·05	+ 0·05	
17	+ 0·3	+ 0·4	− 0·01	− 0·12	− 0·04	+ 0·04	
18	+ 0·4	+ 0·4	− 0·02	− 0·15	− 0·03	+ 0·04	
19	− 1·6	+ 0·4	− 0·05	− 0·09	− 0·01	+ 0·04	
20	− 2·2	+ 0·4	− 0·05	− 0·05	+ 0·01	+ 0·03	
22	− 1·1	+ 0·4	− 0·02	− 0·08	+ 0·01	+ 0·03	35 and 116 R. P. L.

Instrumental Corrections adopted in 1867.

Date.	Index.	Run in 5′	Clock Rate.	Inclination.	Collimation.	Meridian.	Determining Stars.
	"	"	s	s	s	s	
Jan. 3	− 3·6	− 0·1	− 0·32	− 0·02	+ 0·03	+ 0·07	ι Aurigæ and δ Urs. Min.
4	− 4·1	− 0·1	− 0·11	− 0·05	+ 0·01	+ 0·05	
5	− 3·9	− 0·1	+ 0·10	− 0·03	0·00	+ 0·03	ι Aurigæ and δ Urs. Min.
7	− 3·6	− 0·1	+ 0·03	+ 0·03	− 0·02	+ 0·04	51 Cephei and 115 R. P. L.
8	− 3·4	− 0·1	+ 0·10	+ 0·06	0·00	+ 0·03	
9	− 4·0	− 0·1	+ 0·17	0·00	− 0·03	+ 0·02	
10	− 4·7	− 0·1	+ 0·03	+ 0·01	− 0·03	+ 0·01	
11	− 4·6	− 0·1	+ 0·05	+ 0·03	− 0·01	+ 0·01	
12	− 5·2	− 0·1	+ 0·10	+ 0·01	− 0·03	0·00	
14	− 5·4	+ 0·1	− 0·03	+ 0·03	0·00	− 0·02	51 Cephei and ε Urs. Min.
15	− 5·2	+ 0·1	+ 0·04	+ 0·04	0·00	− 0·02	
16	− 5·1	+ 0·1	+ 0·01	+ 0·03	+ 0·01	− 0·01	
17	− 6·0	+ 0·1	− 0·02	+ 0·09	+ 0·06	0·00	
18	− 5·9	+ 0·1	+ 0·15	+ 0·07	+ 0·04	0·00	
19	− 6·4	+ 0·1	+ 0·14	+ 0·02	0·00	+ 0·01	
21	− 6·9	+ 0·1	+ 0·04	+ 0·08	+ 0·02	+ 0·02	
22	− 6·9	+ 0·1	+ 0·11	+ 0·08	+ 0·02	+ 0·06	
23	− 7·4	+ 0·1	+ 0·17	0·00	0·00	+ 0·04	51 Cephei and δ Urs. Min.
24	− 7·8	+ 0·1	+ 0·10	+ 0·05	+ 0·02	+ 0·03	
25	− 8·1	+ 0·1	− 0·08	0·00	+ 0·01	+ 0·02	

Nov. 15.—Heavy rain, followed by change in the corrections.
Nov. 28.—The index and inclination corrections and the transit clock rate adjusted.
Dec. 4, 5.—Heavy rain.
Dec. 19.—The collimators and microscopes cleaned.
Jan. 7.—The index error interpolated.

Instrumental Correction adopted in 1867.

Date	Index.	Run in 5′	Clock Rate.	Inclination.	Collimation.	Meridian.	Determining Stars.
	″	″	s	s	s	s	
Jan. 26	− 8·7	+ 0·1	− 0·21	+ 0·03	+ 0·04	+ 0·01	
28	− 9·1	+ 0·1	− 0·17	+ 0·10	+ 0·01	− 0·01	
29	− 9·4	+ 0·1	− 0·01	+ 0·10	+ 0·02	− 0·02	
30	− 9·3	+ 0·1	+ 0·08	+ 0·09	+ 0·01	− 0·03	β Tauri and δ Urs. Min.
31	− 9·7	+ 0·1	+ 0·09	+ 0·10	+ 0·02	− 0·01	
Feb. 1	− 10·5	0·0	+ 0·06	+ 0·10	− 0·01	+ 0·01	γ Geminorum & 51 Cephei.
2	− 11·3	0·0	+ 0·03	+ 0·10	0·00	0·00	
4	− 10·6	0·0	+ 0·20	+ 0·07	− 0·04	− 0·03	
5	− 9·9	0·0	+ 0·21	+ 0·12	0·00	− 0·05	
6	− 10·4	0·0	+ 0·14	+ 0·14	− 0·03	− 0·06	Pollux and δ Urs. Min.
7	− 10·3	0·0	+ 0·19	+ 0·22	0·00	− 0·05	
8	− 10·4	0·0	+ 0·23	+ 0·25	+ 0·01	− 0·04	
9	− 10·5	0·0	+ 0·14	+ 0·19	− 0·03	− 0·02	
11	− 10·5	0·0	+ 0·15	+ 0·25	+ 0·02	0·00	60 R. P. L. and ε Urs. Min.
12	− 10·8	0·0	+ 0·22	+ 0·24	0·00	0·00	
13	− 10·7	0·0	− 0·71	+ 0·19	− 0·04	0·00	
14	− 11·1	0·0	− 1·32	+ 0·26	+ 0·04	0·00	49 R. P. L. & γ Geminorum.
15	− 11·3	0·0	− 0·92	+ 0·23	+ 0·01	− 0·02	49 R. P. L. and δ Urs. Min.
16	− 11·4	0·0	− 0·67	+ 0·21	+ 0·03	− 0·05	
18	− 11·1	0·0	− 0.01	+ 0·16	− 0·03	− 0·11	
19	− 11·3	0·0	− 0·02	+ 0·12	− 0·04	− 0·14	72 R. P. L. and ν Leonis.
20	− 10·9	0·0	− 0·07	+ 0·17	− 0·02	− 0·12	
21	− 11·6	0·0	+ 0·11	+ 0·18	+ 0·01	− 0·09	
22	− 11·6	0·0	+ 0·16	+ 0·15	+ 0·01	− 0·05	51 Ceph 70 R P. L. & 15 Argûs
23	− 11·9	0·0	+ 0·11	+ 0·16	− 0·01	− 0·04	
25	− 12·1	0·0	+ 0·08	+ 0·16	+ 0·02	− 0·01	
26	− 11·5	0·0	+ 0·14	+ 0·28	+ 0·06	0·00	
27	− 11·9	0·0	+ 0·08	+ 0·24	+ 0·03	− 0·01	51 Cep., 70 R. P L & λ U. M.
28	− 11·7	0·0	+ 0·15	+ 0·25	+ 0·06	0·00	
Mar. 1	− 11·9	− 0·1	+ 0·24	+ 0·24	+ 0·02	− 0·02	51 Cephei and 150 R P. L.
2	− 12·4	− 0·1	+ 0·09	+ 0·23	0·00	0·00	
4	− 12·5	− 0·1	+ 0·06	+ 0·24	+ 0·03	+ 0·03	
5	− 12·7	− 0·1	+ 0·11	+ 0·24	+ 0·04	+ 0·05	
6	− 12·6	− 0·1	+ 0·14	+ 0·23	+ 0·01	+ 0·07	49 R. P. L and λ Urs Min.
7	− 12·0	− 0·1	+ 0·02	+ 0·30	+ 0·02	+ 0·01	51 Cephei and λ Urs. Min.
8	− 12·3	− 0·1	+ 0·24	+ 0·32	+ 0·04	− 0·02	
9	− 12·6	− 0·1	+ 0·28	+ 0·31	+ 0·01	− 0·04	
11	− 11·8	− 0·1	+ 0·17	+ 0·33	+ 0·01	− 0·09	
12	− 11·8	− 0·1	+ 0·10	+ 0·28	− 0·02	− 0·12	60 and 150 R. P L.
13	− 12·1	− 0·1	+ 0·19	+ 0·30	− 0·02	− 0·12	
14	− 11·8	− 0·1	+ 0·21	+ 0·30	− 0·03	− 0·13	
15	− 12·2	− 0·1	+ 0·10	+ 0·33	+ 0·01	− 0·13	69 R P. L. and λ Urs. Min.
16	− 11·8	+ 0·2	+ 0·06	+ 0·35	+ 0·02	− 0·13	
18	− 11·6	+ 0·2	+ 0·12	+ 0·34	+ 0·02	− 0·14	
19	− 11·4	+ 0·2	+ 0·07	+ 0·40	+ 0·02	− 0·14	
20	− 12·1	+ 0·2	+ 0·12	+ 0·47	+ 0·02	− 0·14	
21	− 11·7	+ 0·2	+ 0·21	+ 0·43	+ 0·02	− 0·14	
22	− 11·8	+ 0·2	+ 0·19	+ 0·40	+ 0·01	− 0·14	
23	− 11·8	+ 0·2	+ 0·17	+ 0·42	+ 0·02	− 0·14	
25	− 11·4	+ 0·2	+ 0·22	+ 0·39	+ 0·02	− 0·15	
26	− 11·5	+ 0·2	+ 0·23	+ 0·37	+ 0·01	− 0·15	70, 72 R. P L & α Hydræ.
28	− 11·4	+ 0·2	+ 0·13	+ 0·44	0·00	− 0·16	
29	− 11·5	+ 0·2	+ 0·21	+ 0·47	+ 0·03	− 0·17	
30	− 11·3	+ 0·2	+ 0·27	+ 0·44	+ 0·01	− 0·18	
Apl. 1	− 11·3	− 0·1	+ 0·20	+ 0·48	− 0·02	− 0·19	87 and 150 R. P. L.
2	− 11·3	− 0·1	+ 0·13	+ 0·49	− 0·01	− 0·20	

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Instrumental Corrections adopted in 1867.

Date.	Index.	Run in 5′	Clock Rate.	Inclination.	Collimation.	Meridian.	Determining Stars.
	″	″	s	s	s	s	
Apl. 3	− 11·6	− 0·1	+ 0·14	+ 0·50	0·00	− 0·21	δ Leonis and Polaris
4	− 11·1	− 0·1	+ 0·16	+ 0·51	+ 0·01	− 0·23	
5	− 11·9	− 0·1	+ 0·17	+ 0·51	+ 0·01	− 0·24	
6	− 11·2	− 0·1	+ 0·21	+ 0·50	− 0·02	− 0·26	
8	− 10·7	− 0·1	+ 0·18	+ 0·57	+ 0·02	− 0·29	
10	− 11·1	− 0·1	+ 0·08	+ 0·54	− 0·03	− 0·32	69 and 150 R. P. L.
11	− 10·8	− 0·1	+ 0·19	+ 0·59	0·00	− 0·31	
12	− 11·0	− 0·1	+ 0·26	+ 0·54	− 0·05	− 0·29	
13	− 11·2	− 0·1	+ 0·11	+ 0·59	0·00	− 0·28	
15	− 10·7	− 0·1	+ 0·13	+ 0·59	− 0·01	− 0·25	90 and 150 R. P. L.
16	− 10·4	+ 0·1	+ 0·16	+ 0·57	− 0·02	− 0·26	
17	− 10·9	+ 0·1	+ 0·13	+ 0·55	− 0·03	− 0·28	
18	− 10·9	+ 0·1	+ 0·10	+ 0·54	− 0·03	− 0·29	12 Can. Ven. and Polaris.
19	− 10·9	+ 0·1	+ 0·12	+ 0·63	+ 0·01	− 0·23	
22	− 10·4	− 0·1	+ 0·11	+ 0·64	− 0·04	− 0·04	
24	− 3·8	+ 0·1	+ 0·08	+ 0·03	− 0·02	+ 0·08	103 R. P. L. and Polaris.
25	− 4·1	+ 0·1	+ 0·05	+ 0·08	− 0·01	+ 0·10	103 R. P. L. and Polaris.
26	− 4·3	+ 0·1	+ 0·06	+ 0·09	− 0·02	+ 0·11	
27	− 4·3	+ 0·1	+ 0·06	+ 0·13	+ 0·02	+ 0·11	
29	− 4·4	+ 0·1	+ 0·06	+ 0·09	− 0·01	+ 0·12	
30	− 3·4	+ 0·1	+ 0·10	+ 0·14	− 0·02	+ 0·13	β Leonis and Polaris.
May 1	− 3·4	− 0·1	+ 0·11	+ 0·21	+ 0·01	+ 0·18	β Leonis and Polaris.
2	− 2·9	− 0·1	+ 0·15	+ 0·21	− 0·01	+ 0·18	
3	− 3·5	− 0·1	+ 0·09	+ 0·23	+ 0·03	+ 0·17	87 R. P. L. and Polaris.
4	− 3·3	− 0·1	+ 0·10	+ 0·26	+ 0·02	+ 0·18	87 R. P. L. and Polaris.
6	− 2·7	− 0·1	+ 0·24	+ 0·27	+ 0·01	+ 0·14	
7	− 3·6	− 0·1	+ 0·18	+ 0·27	− 0·02	+ 0·12	87 R. P. L. and Polaris.
8	− 3·2	− 0·1	+ 0·14	+ 0·32	0·00	+ 0·12	
9	− 3·6	− 0·1	+ 0·17	+ 0·34	+ 0·01	+ 0·12	
11	− 3·6	− 0·1	+ 0·13	+ 0·35	− 0·02	+ 0·13	87 R. P. L. and Polaris.
13	− 3·5	− 0·1	+ 0·08	+ 0·33	− 0·01	+ 0·12	
14	− 3·3	− 0·1	+ 0·15	+ 0·39	+ 0·01	+ 0·11	
15	− 3·9	− 0·1	+ 0·13	+ 0·36	− 0·02	+ 0·11	
16	− 3·6	0·0	+ 0·03	+ 0·36	− 0·02	+ 0·10	θ Virginis and Polaris.
18	− 3·5	0·0	+ 0·06	+ 0·47	+ 0·06	+ 0·10	
22	− 3·0	0·0	+ 0·12	+ 0·39	+ 0·01	+ 0·09	
23	− 2·8	0·0	+ 0·22	+ 0·42	+ 0·01	+ 0·09	
24	− 3·7	0·0	+ 0·21	+ 0·38	+ 0·02	+ 0·09	ψ Bootis and Polaris.
25	− 2·5	0·0	+ 0·13	+ 0·43	+ 0·02	+ 0·08	
27	− 3·2	0·0	+ 0·18	+ 0·52	+ 0·02	+ 0·07	Arcturus and Polaris.
28	− 3·5	0·0	+ 0·14	+ 0·61	+ 0·02	+ 0·11	
29	− 3·6	0·0	+ 0·15	+ 0·65	+ 0·03	+ 0·14	
30	− 3·6	0·0	+ 0·26	+ 0·66	+ 0·02	+ 0·18	90 R. P. L. and Polaris.
31	− 3·5	0·0	+ 0·2[illegible]	+ 0·66	+ 0·02	+ 0·20	
June 1	− 3·2	0·0	+ 0·09	+ 0·80	+ 0·05	+ 0·23	111 R. P. L. and Polaris.
4	− 3·7	0·0	+ 0·27	+ 0·83	+ 0·02	+ 0·26	
5	− 3·2	0·0	+ 0·21	+ 0·75	0·00	+ 0·27	111 R. P. L. and Polaris.
6	− 3·7	0·0	+ 0·19	+ 0·77	− 0·02	+ 0·26	
7	− 3·6	0·0	+ 0·27	+ 0·80	− 0·01	+ 0·26	
10	− 3·5	0·0	+ 0·19	+ 0·74	− 0·08	+ 0·24	
14	− 2·7	0·0	− 0·08	+ 0·80	− 0·09	+ 0·22	
15	− 2·7	0·0	− 0·01	+ 0·10	− 0·03	+ 0·22	
17	− 3·0	0·0	+ 0·05	+ 0·12	− 0·08	+ 0·21	
18	− 3·3	0·0	− 0·18	+ 0·21	− 0·01	+ 0·20	
19	− 3·3	0·0	− 0·33	+ 0·16	− 0·07	+ 0·20	
20	− 3·7	0·0	− 0·16	+ 0·17	− 0·07	+ 0·19	
22	− 3·3	0·0	+ 0·16	+ 0·22	− 0·06	+ 0·18	

April 24.—The index, inclination and meridian corrections adjusted.
June 15.—The inclination correction adjusted.

Instrumental Corrections adopted in 1867.

Date.	Index.	Run in 5′	Clock Rate.	Inclination.	Collimation.	Meridian.	Determining Stars.
	″	″	s	s	s	s	
June 24	− 3·1	0·0	+ 0·11	+ 0·24	− 0·06	+ 0·17	
25	− 3·4	0·0	+ 0·18	+ 0·33	− 0·01	+ 0·17	μ Herculis and 33 R. P. L.
27	− 3·8	0·0	+ 0·29	+ 0·32	− 0·04	+ 0·19	
28	− 3·1	0·0	+ 0·26	+ 0·36	− 0·02	+ 0·20	
July 2	− 3·3	0·0	+ 0·33	+ 0·44	− 0·01	+ 0·23	ψ Bootis and 43 R. P. L.
4	− 3·8	0·0	+ 0·39	+ 0·52	+ 0·04	+ 0·32	δ Urs. Min. and 51 Cephei.
5	− 4·3	0·0	+ 0·42	+ 0·57	+ 0·01	+ 0·31	δ Urs. Min. & 40 R. P. L.
6	− 3·7	0·0	+ 0·37	+ 0·61	+ 0·03	+ 0·30	
8	− 2·8	0·0	+ 0·36	+ 0·56	− 0·01	+ 0·28	
10	− 4·9	0·0	+ 0·37	+ 0·56	− 0·02	+ 0·26	
11	− 4·0	0·0	+ 0·37	+ 0·56	− 0·04	+ 0·25	
12	− 4·1	0·0	+ 0·40	+ 0·58	− 0·03	+ 0·24	
18	− 2·9	0·0	+ 0·23	+ 0·51	− 0·03	+ 0·18	α Lyræ and 51 Cephei.
19	− 2·3	0·0	+ 0·30	+ 0·51	− 0·02	+ 0·18	
20	− 2·8	0·0	+ 0·12	+ 0·49	− 0·03	+ 0·18	
23	− 3·6	0·0	+ 0·22	+ 0·71	− 0·02	+ 0·18	
25	− 2·4	0·0	+ 0·28	+ 0·75	− 0·03	+ 0·18	λ Urs. Min. and δ Aquilæ.
27	− 3·0	0·0	+ 0·30	+ 0·77	− 0·02	+ 0·17	
30	− 3·0	0·0	+ 0·26	+ 0·83	− 0·04	+ 0·16	δ Urs. Min. & θ Ophiuchi.
31	− 3·0	0·0	+ 0·22	+ 0·84	− 0·03	+ 0·16	
Aug. 3	− 4·1	− 0·2	+ 0·20	+ 0·95	+ 0·01	+ 0·17	
6	− 3·2	− 0·2	+ 0·32	+ 0·98	− 0·03	+ 0·17	δ Urs. Min. and 51 Cephei.
7	− 3·2	− 0·2	+ 0·39	+ 1·01	− 0·02	+ 0·17	
8	− 3·7	− 0·2	+ 0·39	+ 0·03	− 0·04	+ 0·17	
10	− 3·3	− 0·2	+ 0·24	+ 0·03	− 0·06	+ 0·16	β Lyræ and 51 Cephei
14	− 3·4	− 0·2	+ 0·15	+ 0·06	− 0·01	+ 0·15	
15	− 3·7	− 0·2	+ 0·22	+ 0·07	0·00	+ 0·14	
16	− 3·4	− 0·2	+ 0·30	+ 0·06	0·00	+ 0·14	
20	− 4·0	− 0·2	+ 0·23	+ 0·12	+ 0·02	+ 0·13	δ Urs. Min. and ω Aquilæ.
31	− 3·7	− 0·2	+ 0·29	+ 0·16	0·00	+ 0·13	
23	− 3·7	− 0·2	+ 0·25	+ 0·13	− 0·05	+ 0·13	
24	− 3·5	− 0·2	+ 0·18	+ 0·18	0·00	+ 0·13	
26	− 2·3	− 0·2	+ 0·14	+ 0·13	− 0·03	+ 0·13	
27	− 3·1	− 0·2	+ 0·15	+ 0·16	− 0·02	+ 0·13	λ Urs. Min. and 51 Cephei.
28	− 2·5	− 0·2	+ 0·20	+ 0·26	+ 0·07	+ 0·14	
Sep. 6	− 2·2	− 0·2	+ 0·22	+ 0·25	− 0·03	+ 0·15	λ Urs. Min. and 60 R. P. L.
10	− 2·0	− 0·2	+ 0·26	+ 0·24	+ 0·01	+ 0·17	
11	− 1·7	− 0·2	+ 0·28	+ 0·21	− 0·01	+ 0·18	
13	− 2·1	− 0·2	+ 0·18	+ 0·20	− 0·02	+ 0·19	
16	− 1·8	− 0·1	+ 0·01	+ 0·21	+ 0·03	+ 0·20	
17	− 1·8	− 0·1	+ 0·09	+ 0·23	+ 0·05	+ 0·21	Polaris and 93 R. P. L.
19	− 0·7	− 0·1	+ 0·19	+ 0·22	0·00	+ 0·21	
20	− 1·0	− 0·1	+ 0·14	+ 0·20	+ 0·01	+ 0·21	
23	+ 0·3	− 0·1	+ 0·28	+ 0·30	+ 0·02	+ 0·20	
24	− 1·1	− 0·1	+ 0·38	+ 0·28	+ 0·01	+ 0·20	150 and 72 R. P. L.
26	− 1·3	− 0·1	+ 0·25	+ 0·28	+ 0·04	+ 0·20	
27	− 1·2	− 0·1	+ 0·20	+ 0·25	+ 0·03	+ 0·20	
30	− 1·1	− 0·1	+ 0·20	+ 0·37	+ 0·06	+ 0·20	
Oct. 1	− 2·0	0·0	+ 0·10	+ 0·37	− 0·01	+ 0·20	150 and 69 R. P. L.
2	− 1·3	0·0	+ 0·11	+ 0·43	+ 0·02	+ 0·19	
3	− 1·6	0·0	+ 0·39	+ 0·46	+ 0·03	+ 0.17	
4	− 1·2	0·0	+ 0·43	+ 0·35	− 0·05	+ 0·16	Polaris and Fomalhaut.
5	− 1·7	0·0	+ 0·26	+ 0·44	+ 0·01	+ 0·16	
7	− 1·5	0·0	+ 0·12	+ 0·45	− 0·01	+ 0·16	
8	− 1·6	0·0	+ 0·07	+ 0·42	− 0·02	+ 0·16	150 and 72 R. P. L.

Aug. 8.—The inclination correction adjusted.

Instrumental Corrections adopted in 1867.

Date.	Index.	Run in 5′	Clock Rate.	Inclination.	Collimation.	Meridian.	Determining Stars.
	″	″	s	s	s	s	
Oct. 9	− 2·3	0·0	+ 0·06	+ 0·50	+ 0·01	+ 0·14	
10	− 1·9	0·0	+ 0·11	+ 0·44	0·00	+ 0·13	
14	− 0·9	0·0	− 0·07	+ 0·34	− 0·04	+ 0·07	26 R.P.L. and δ Sculptoris.
15	− 1·0	0·0	− 0·03	+ 0·43	− 0·03	+ 0·09	
16	− 0·9	− 0·1	+ 0·07	+ 0·50	+ 0·01	+ 0·11	
18	− 0·1	− 0·1	+ 0·12	+ 0·41	− 0·01	+ 0·16	
19	+ 0·5	− 0·1	+ 0·17	+ 0·38	+ 0·01	+ 0·18	Polaris and Achernar
21	− 0·4	− 0·1	+ 0·19	+ 0·37	+ 0·01	+ 0·18	
22	0·0	− 0·1	+ 0·22	+ 0·38	+ 0·02	+ 0·19	
24	0·0	− 0·1	+ 0·31	+ 0·40	+ 0·02	+ 0·19	
25	0·0	− 0·1	+ 0·21	+ 0·41	+ 0·02	+ 0·19	
26	− 0·2	− 0·1	+ 0·13	+ 0·42	+ 0·04	+ 0·19	
28	+ 0·9	− 0·1	+ 0·07	+ 0·37	− 0·01	+ 0·20	
29	+ 0·5	− 0·1	− 0·07	+ 0·37	+ 0·02	+ 0·20	Polaris and Achernar
30	+ 0·5	− 0·1	− 0·09	+ 0·38	0·00	+ 0·21	
31	− 0·9	− 0·1	− 0·01	+ 0·36	+ 0·03	+ 0·21	
Nov. 1	+ 0·1	+ 0·1	− 0·19	+ 0·32	− 0·05	+ 0·22	
2	+ 1·5	+ 0·1	− 0·33	+ 0·30	0·00	+ 0·23	153 and 87 R. P. L.
4	− 0·7	+ 0·1	+ 0·03	+ 0·31	+ 0·02	+ 0·22	
5	+ 0·1	+ 0·1	+ 0·04	+ 0·26	− 0·03	+ 0·22	
6	+ 0·4	+ 0·1	+ 0·08	+ 0·34	+ 0·02	+ 0·21	ε Piscium and 90 R. P. L.
7	+ 0·7	+ 0·1	− 0·08	+ 0·29	− 0·01	+ 0·21	
8	+ 0·2	+ 0·1	− 0·23	+ 0·34	+ 0·01	+ 0·21	
11	− 1·6	+ 0·1	+ 0·03	+ 0·37	+ 0·04	+ 0·20	Polaris and 99 R. P. L.
12	+ 1·2	+ 0·1	+ 0·04	+ 0·36	+ 0·01	+ 0·20	
13	− 1·5	+ 0·1	+ 0·19	+ 0·33	0·00	+ 0·21	
14	− 0·8	+ 0·1	+ 0·06	+ 0·36	+ 0·01	+ 0·22	
15	− 0·4	+ 0·1	− 0·03	+ 0·41	+ 0·06	+ 0·22	Polaris and 92 R P.L.
16	− 1·0	+ 0·1	+ 0·11	+ 0·32	+ 0·01	+ 0·15	Polaris and 101 R. P. L.
18	− 1·8	+ 0·1	+ 0·12	+ 0·32	+ 0·01	+ 0·13	
20	− 2·1	+ 0·1	+ 0·05	+ 0·34	− 0·01	+ 0·10	
21	− 2·5	+ 0·1	− 0·11	+ 0·33	− 0·03	+ 0·09	Polaris and 101 R. P. L.
22	− 2·3	+ 0·1	− 0·04	+ 0·34	− 0·02	+ 0·08	
23	− 1·5	+ 0·1	+ 0·10	+ 0·30	− 0·03	+ 0·07	
26	− 0·8	+ 0·1	+ 0·08	+ 0·37	+ 0·01	+ 0·05	
29	+ 0·7	+ 0·1	+ 0·14	+ 0·32	0·00	+ 0·02	
Dec. 2	+ 3·0	+ 0·3	+ 0·07	+ 0·13	− 0·03	0·00	Polaris and ξ[1] Ceti
4	+ 5·1	+ 0·3	+ 0·27	− 0·05	− 0·06	0·00	
5	+ 5·6	+ 0·3	+ 0·22	− 0·09	− 0·06	0·00	
6	+ 5·3	+ 0·3	+ 0·11	− 0·13	− 0·04	0·00	Polaris and 103 R. P. L.
7	+ 5·5	+ 0·3	+ 0·18	− 0·13	− 0·02	− 0·02	26 R.P.L. and γ Ceti.
9	+ 5·3	+ 0·3	+ 0·10	− 0·21	− 0·04	+ 0·02	
10	+ 5·4	+ 0·3	+ 0·07	− 0·19	+ 0·01	+ 0·03	
11	+ 5·3	+ 0·3	+ 0·10	− 0·25	− 0·01	+ 0·05	Polaris and 67 Ceti.
12	+ 5·1	+ 0·3	− 0·01	− 0·26	− 0·01	+ 0·05	
13	+ 4·8	+ 0·3	− 0·07	− 0·28	+ 0·01	+ 0·06	
14	+ 4·0	+ 0·3	− 0·03	− 0·33	− 0·03	+ 0·06	33 and 114 R. P. L.
16	+ 4·0	0·0	− 0·14	− 0·33	0·00	+ 0·10	51 Cephei and Canopus.
17	+ 4·2	0·0	− 0·29	− 0·35	− 0·01	+ 0·12	
18	+ 3·4	0·0	− 0·34	− 0·37	+ 0·03	+ 0·13	
19	+ 3·0	0·0	− 0·13	− 0·36	+ 0·04	+ 0·15	40 and 115 R. P. L.
20	+ 2·9	0·0	− 0·06	− 0·39	+ 0·01	+ 0·15	
21	+ 3·0	0·0	− 0·08	− 0·43	+ 0·01	+ 0·14	
24	+ 2·3	0·0	+ 0·05	− 0·41	+ 0·02	+ 0·13	
27	+ 1·7	0·0	+ 0·04	− 0·40	+ 0·02	+ 0·11	
30	+ 0·7	+ 0·3	+ 0·03	− 0·39	+ 0·02	+ 0·10	35 R. P. L. and 67 Ceti

Nov. 30 and Dec. 1.—Heavy rain.

Corrections to the Nautical Almanac Stars as given by the Madras Mean Positions.

Star.	Approximate Place 1866.				1865.			1866.			1867.		
					Obs.	R. A.	P. D.	Obs.	R. A.	P. D.	Obs.	R. A.	P. D.
	h.	m.	°	′		s	″		s	″		s	″
α Andromedæ ..	0	1	61	39	4	+ 0·03	+ 0·7	8	+ 0·02	+ 1·0	3	+ 0·06	+ 0·6
γ Pegasi (*Algenib*) ..	0	6	75	34	7	+ 0·02	+ 0·6	7	0·00	− 0·2	4	0·00	+ 0·7
12 Ceti	0	23	94	42	11	− 0·02	+ 0·9	7	− 0·04	− 0·1	8	− 0·03	+ 1·3
α Cassiopeæ	0	33	34	12	2	− 0·16	+ 1·0	2	− 0·08	+ 0·4	...	......	... ..
β Ceti	0	37	108	43	7	+ 0·06	0·0	5	+ 0·03	− 0·3	7	+ 0·04	+ 0·2
ε Piscium	0	56	82	50	13	− 0·06	+ 0·5	5	− 0·06	− 0·9	7	− 0·10	+ 0·6
α Urs. Min. (*Polaris*) .	1	10	1	24	11	− 0·53	+ 1·3	5	− 0·17	− 0·6	12	− 0·59	+ 0·8
θ^1 Ceti	1	17	98	53	6	0·00	+ 1·1	7	+ 0·03	+ 0·1	8	+ 0·01	+ 0·4
η Piscium	1	24	75	21	9	+ 0·06	+ 1·9	5	0·00	+ 0·3	10	+ 0·02	+ 0·3
α Eridani (*Achernar*).	1	33	147	55	5	+ 0·30	+ 3·0	2	+ 0·16	+ 1·2	2	+ 0·37	+ 3·4
ν Piscium	1	34	85	11	9	0·00	+ 1·1	9	0·00	+ 0·1	8	+ 0·02	0·0
β Arietis	1	47	69	51	8	+ 0·03	+ 1·9	6	+ 0·04	+ 1·2	10	− 0·01	+ 0·7
α Arietis	2	0	67	10	11	− 0·01	+ 1·7	9	− 0·04	+ 0·7	10	− 0·01	+ 1·4
67 Ceti	2	10	97	2	12	+ 0·03	+ 0·9	6	+ 0·05	+ 0·7	9	+ 0·06	+ 0·4
ξ^2 Ceti	2	21	82	9	11	− 0·03	− 0·1	6	+ 0·01	− 0·1	16	− 0·02	− 0·0
γ Ceti	2	36	87	20	9	+ 0·03	+ 0·7	2	− 0·07	+ 0·1	9	0·00	− 1·4
α Ceti	2	55	86	26	7	+ 0·05	+ 0·8	2	+ 0·07	+ 0·2	4	+ 0·05	− 0·2
δ Arietis	3	4	70	47	8	− 0·05	+ 2·1	4	− 0·06	+ 2·2	6	0·00	+ 1·6
α Persei	3	15	40	37	1	− 0·18	+ 0·6	1	− 0·16	− 0·2	1	− 0·01	+ 0·1
η Tauri	3	40	66	19	4	0·00	+ 2·2	3	− 0·05	+ 1·3	11	+ 0·02	+ 0·4
γ^1 Eridani	3	52	103	54	6	+ 0·05	+ 1·0	4	+ 0·09	− 0·7	12	+ 0·02	+ 0·5
o^1 Eridani	4	5	97	11	7	− 0·03	+ 2·1	5	− 0·02	+ 0·6	2	+ 0·04	+ 1·7
ε Tauri	4	21	71	7	12	− 0·01	+ 1·8	8	+ 0·01	+ 1·3	11	− 0·01	+ 0·9
α Tauri (*Aldebaran*)..	4	28	73	46	8	− 0·03	+ 2·3	8	− 0·05	+ 1·4	12	− 0·01	+ 1·2
ι Aurigæ	4	48	57	3	3	− 0·09	+ 1·9	5	+ 0·02	+ 0·8	13	− 0·01	+ 0·8
ε Leporis	5	0	112	33	4	+ 0·12	+ 0·6	7	+ 0·10	+ 0·6	8	+ 0·05	+ 1·0
α Aurigæ (*Capella*)...	5	7	44	9	1	− 0·09	+ 0·3	2	− 0·09	+ 1·0	3	+ 0·04	+ 0·7
β Orionis (*Rigel*) ...	5	8	98	22	2	+ 0·06	+ 0·4	3	+ 0·03	+ 0·5	4	+ 0·04	+ 1·3
β Tauri	5	18	61	31	5	− 0·01	+ 0·6	9	+ 0·03	+ 0·7	12	+ 0·02	+ 0·9
δ Orionis	5	25	90	24	2	0·00	+ 0·8	7	− 0·01	+ 1·0	9	− 0·03	+ 0·6
α Leporis	5	27	107	55	5	+ 0·05	+ 1·2	4	− 0·05	+ 1·1	5	− 0·10	+ 1·1
ε Orionis	5	29	91	17	3	+ 0·07	+ 0·7	3	+ 0·08	+ 1·6	4	+ 0·07	+ 1·3
α Columbæ	5	35	124	9	8	− 0·12	+ 2·6	4	− 0·14	+ 2·7	8	− 0·09	+ 2·7
α Orionis	5	48	82	37	9	+ 0·04	+ 0·4	2	− 0·01	− 0·2	7	+ 0·02	− 0·4
ν Orionis	6	0	75	13	9	0·00	+ 1·0	3	− 0·02	+ 0·4	9	− 0·02	+ 0·7
μ Geminorum ..	6	15	67	25	6	+ 0·01	+ 1·4	5	− 0·03	+ 1·1	8	− 0·02	+ 1·3

Corrections to the Nautical Almanac Stars as given by the Madras Mean Positions.

Star.	Approximate Place 1866.				1865.			1866.			1867.		
					Obs	R. A.	P. D.	Obs.	R. A.	P. D.	Obs.	R. A.	P. D.
	h	m	°	′		s	″		s	″		s	″
α Argûs (*Canopus*) ..	6	21	142	37	1	− 0·02	+ 0·7	1	+ 0·10	+ 0·6	2	− 0·02	0·0
γ Geminorum ...	6	30	73	29	5	0·00	+ 2·9	11	− 0·02	+ 2·7	6	+ 0·01	+ 1·2
51 (Hev.) Cephei ..	6	37	2	45	7	− 0·19	− 1·1	6	− 0·04	0·0	10	0·00	− 0·2
α Canis Maj. (*Sirius*) .	6	39	106	32	2	− 0·28	+ 0·2	1	− 0·36	0·0	2	− 0·29	− 0·1
ε Canis Majoris ...	6	53	118	48	6	− 0·01	− 0·1	9	+ 0·05	− 0·6	4	− 0·06	− 0·2
γ Canis Majoris ...	6	58	105	26	10	0·00	+ 1·1	8	− 0·01	+ 0·7	5	− 0·07	+ 0·8
δ Geminorum ..	7	12	67	46	11	− 0·06	+ 1·4	11	− 0·03	+ 1·7	14	− 0·03	+ 0·9
α² Geminorum (*Castor*)	7	26	57	49	6	− 0·06	+ 1·0	6	− 0·04	+ 1·8	12	0·00	+ 1·1
α Can. Min. (*Procyon*).	7	32	84	26	10	+ 0·08	+ 2·5	14	+ 0·01	+ 2·7	16	+ 0·03	+ 2·1
β Geminorum (*Pollux*)	7	37	61	39	9	+ 0·01	+ 1·3	16	+ 0·03	+ 1·9	11	− 0·01	+ 1·4
6 Cancri	7	55	61	50	8	− 0·06	+ 1·7	15	− 0·06	+ 2·8	3	− 0·08	+ 1·3
15 Argûs	8	2	113	55	6	+ 0·03	+ 0·8	11	+ 0·06	+ 1·4	10	+ 0·01	+ 1·1
η Cancri	8	25	69	6	10	0·00	+ 1·1	9	0·00	+ 1·6	10	+ 0·05	+ 1·2
ε Hydræ	8	40	83	6	17	− 0·03	+ 1·1	9	+ 0·01	+ 2·5	9	− 0·03	+ 1·1
ι Ursæ Majoris ...	8	50	41	26	2	− 0·03	− 0·3	1	+ 0·15	+ 1·3		.. ...	.. ..
83 Cancri	9	11	71	44	12	+ 0·11	+ 0·7	10	+ 0·07	+ 1·1	4	+ 0·09	+ 0·2
ι Argûs	9	14	148	43	2	+ 0·05	+ 4·5	2	+ 0·06	+ 6·4	1	+ 0·27	+ 4·8
α Hydræ	9	21	98	5	11	0·00	+ 0·9	14	+ 0·01	+ 0·7	7	− 0·01	+ 1·1
θ Ursæ Majoris ...	9	24	37	43	1	+ 0·11	+ 0·7	2	+ 0·[illegible]	+ 4·6		.....	....
ε Leonis	9	38	65	37	12	+ 0·01	+ 1·4	9	− 0·05	+ 3·5	12	− 0·01	+ 1·6
π Leonis ...	9	53	81	19	13	− 0·01	+ 0·7	15	− 0·01	+ 1·1	14	0·00	+ 0·2
α Leonis (*Regulus*) ..	10	1	77	23	11	+ 0·01	+ 0·7	13	− 0·02	+ 1·3	12	− 0·01	+ 0·5
γ¹ Leonis ...	10	13	69	29	9	− 0·08	+ 1·5	5	− 0·01	+ 1·0	7	− 0·03	+ 1·0
ρ Leonis	10	26	80	0	14	− 0·04	+ 0·6	6	− 0·02	+ 0·3	12	0·00	− [illegible]
η Argûs	10	40	148	59	3	+ 0·09	+ 4·4	1	+ 0·00	+ 5·3	2	+ 0·02	+ 4·7
l Leonis .	10	42	78	43	11	+ 0·[illegible]	+ 1·1	4	+ 0·05	+ 1·7	9	+ 0·05	+ 1·5
α Ursæ Majoris ..	10	53	27	32	4	− 0·11	− 1·1	1	− 0·02	− 1·6	1	+ 0·05	0·0
χ Leonis	10	58	81	[illegible]	7	− 0·03	+ 0·2	5	+ 0·01	+ 1·6	15	0·00	− 0·1
δ Leonis	11	7	68	43	5	− 0·05	+ 0·7	7	− 0·10	+ 1·5	12	− 0·02	+ 0·9
δ Crateris	11	13	104	3	6	+ [illegible]	− 0·3	11	[illegible]	− 0·5	13	+ 0·03	− 0·5
υ Leonis ..	11	30	90	5	7	− 0·03	+ 1·1	10	0·00	+ 2·0	19	− 0·04	+ 1·5
β Leonis ..	11	42	74	41	8	+ 0·05	+ 1·3	7	0·00	+ 2·5	17	+ 0·04	+ 0·7
γ Ursæ Majoris .	11	47	35	34	1	+ 0·42	+ 0·9	1	+ 0·06	+ 0·6		....	....
ε Corvi ..	12	3	111	52	8	− 0·04	+ 1·0	11	+ 0·02	− 0·7	6	− 0·[illegible]	+ 1·4
η Virginis ..	12	13	89	[illegible]	13	+ 0·03	+ 1·7	7	0·00	+ 1·8	12	0·00	+ 1·7
α¹ Crucis .	12	19	152	21	1	+ [illegible]	+ 5·4	2	[illegible]	+ 4·8	..	....	....

Corrections to the Nautical Almanac Stars as given by the Madras Mean Positions.

Star.	Approximate Place 1866				1865.			1866.			1867		
					Obs.	R. A.	P. D.	Obs.	R. A.	P. D.	Obs.	R. A.	P. D.
	h	m	°	′		s	″		s	″		s	″
β Corvi	12	27	112	39	9	+ 0·16	− 0·1	8	+ 0·17	− 0·1	4	+ 0·09	+ 0·3
γ¹ Virginis	12	35	90	43	3	− 0·08	− 3·2	4	0·00	− 3·0	8	− 0·08	− 3·7
12 Canum Venaticor.	12	50	50	57	12	0·00	+ 0·5	1	+ 0·11	+ 0·8	7	+ 0·02	+ 0·2
θ Virginis	13	3	94	49	12	− 0·01	+ 0·9	6	− 0·01	− 0·3	14	− 0·01	+ 0·9
α Virginis (*Spica*) .	13	18	100	28	17	+ 0·01	+ 0·6	5	0·00	+ 0·5	10	− 0·06	− 0·1
ζ Virginis	13	28	89	55	11	− 0·07	+ 1·6	4	− 0·01	+ 1·4	11	− 0·04	+ 1·7
η Ursæ Majoris ..	13	42	40	1	3	− 0·01	− 0·4	...	...	...	...	...	...
η Bootis .. .	13	48	70	56	10	+ 0·01	+ 0·7	5	+ 0·01	− 0·4	9	− 0·01	+ 0·7
β Centauri	13	54	119	43	1	+ 0·11	+ 1·3	2	+ 0·33	+ 1·0	1	+ 0·23	+ 1·3
τ Virginis	13	55	87	48	6	+ 0·02	− 0·9	11	+ 0·01	+ 0·6	12	+ 0·03	− 0·2
α Bootis (*Arcturus*) ..	14	10	70	7	13	+ 0·03	+ 0·9	11	+ 0·08	+ 1·6	14	+ 0·04	+ 1·4
ρ Bootis	14	26	59	2	15	− 0·08	+ 0·8	5	− 0·12	+ 2·4	11	− 0·05	+ 1·4
α Centauri	14	31	150	17	5	− 1·04	+ 16·4	3	− 0·95	+ 16·3	..	...	...
ε Bootis	14	39	62	22	11	+ 0·03	− 0·2	4	− 0·04	+ 1·7	6	0·00	0·0
α² Libræ	14	43	105	29	11	− 0·01	− 0·1	4	− 0·02	+ 0·5	6	+ 0·01	+ 0·5
β Ursæ Minoris ..	14	51	15	18	1	+ 0·08	− 2·4	.	.	.	1	+ 0·24	− 1·7
ψ Bootis	14	59	62	32	5	− 0·07	+ 1·3	5	− 0·08	+ 2·2	3	− 0·11	+ 0·8
β Libræ	15	10	98	53	9	0·00	0·0	8	− 0·02	+ 0·4	5	+ 0·01	+ 0·2
α Coronæ Borealis ...	15	29	62	50	7	+ 0·03	+ 0·1	4	+ 0·05	+ 2·0	4	+ 0·03	+ 1·1
α Serpentis	15	38	83	9	5	+ 0·09	0·0	2	0·00	+ 1·4	10	+ 0·03	− 0·2
ζ Ursæ Minoris	15	49	11	48	..	...	...	1	+ 0·33	− 0·7	..	...	...
β¹ Scorpii	15	58	109	26	4	− 0·02	+ 0·3	5	− 0·02	+ 0·8	7	+ 0·01	+ 0·6
δ Ophiuchi	16	7	93	21	3	− 0·03	+ 1·0	5	+ 0·07	+ 1·8	2	+ 0·04	+ 1·2
α Scorpii (*Antares*)	16	21	116	8	2	+ 0·02	− 0·1	4	+ 0·03	+ 0·1	1	+ 0·05	− 1·0
η Draconis ..	16	22	28	11	...	...	...	1	− 0·63	+ 0·1	...	...	...
α Trianguli Australis	16	35	158	47	1	+ 0·18	+ 1·3	1	− 0·06	+ 3·5	...	...	...
ζ Herculis	16	36	58	9	4	+ 0·06	+ 1·3	5	− 0·05	+ 0·7	3	− 0·09	+ 1·6
κ Ophiuchi	16	51	80	25	4	− 0·09	+ 0·3	4	− 0·12	+ 0·5	3	− 0·09	+ 0·4
ε Ursæ Minoris ..	17	0	7	45	2	− 0·90	+ 2·0	3	− 0·28	+ 3·4	2	− 0·03	+ 4·1
α Herculis	17	9	75	27	8	+ 0·03	+ 0·7	2	+ 0·05	+ 0·8	3	+ 0·02	+ 1·1
θ Ophiuchi ...	17	14	114	52	3	0·00	+ 2·5	5	+ 0·07	+ 1·8	4	+ 0·03	+ 2·3
β Draconis	17	27	37	36	...	...	...	...	...	...	1	− 0·04	+ 0·3
α Ophiuchi	17	29	77	20	4	− 0·02	+ 0·7	8	0·00	+ 0·6	8	0·00	+ 1·2
μ Herculis	17	41	62	12	7	− 0·04	+ 0·4	4	+ 0·05	− 0·2	6	+ 0·02	+ 0·5
γ Draconis . .	17	53	38	30	1	− 0·24	+ 1·1	3	+ 0·01	− 0·6	...	...	...
μ¹ Sagittarii ...	18	6	111	5	7	+ 0·05	+ 0·4	10	+ 0·08	+ 0·1	9	− 0·01	+ 0·6

Corrections to the Nautical Almanac Stars as given by the Madras Mean Positions.

Star.	Approximate Place 1866.		1865.			1866.			1867.		
			Obs.	R. A.	P. D.	Obs.	R. A.	P. D.	Obs.	R. A.	P. D.
	h. m.	° ′		s	″		s	″		s	″
δ Ursæ Minoris ..	18 16	3 24	5	+ 0·01	− 0·4	4	+ 0·27	− 0·4	4	+ 0·14	− 1·5
α Lyræ (*Vega*) ..	18 32	51 20	5	+ 0·02	+ 1·2	8	− 0·03	+ 1·2	5	− 0·02	+ 0·4
β Lyræ	18 45	56 47	7	+ 0·03	+ 0·4	5	+ 0·02	+ 0·3	13	− 0·01	+ 0·4
ζ Aquilæ	18 59	76 20	8	+ 0·06	+ 1·0	5	+ 0·05	+ 0·9	12	+ 0·06	+ 1·3
ω Aquilæ	19 12	78 39	7	− 0·04	− 0·2	2	− 0·01	0·0	6	− 0·02	− 0·4
δ Aquilæ	19 19	87 9	8	− 0·02	+ 0·7	9	− 0·03	+ 0·7	7	− 0·02	+ 0·5
h² Sagittarii... ..	19 29	115 11	5	+ 0·10	+ 1·9	5	+ 0·06	+ 1·8	2	+ 0·05	+ 2·4
γ Aquilæ	19 40	79 43	5	− 0·08	+ 0·8	5	+ 0·01	+ 0·4	6	− 0·02	+ 0·3
α Aquilæ (*Altair*) ...	19 44	81 29	6	− 0·04	0·0	4	− 0·03	+ 0·1	4	− 0·05	− 0·4
β Aquilæ	19 49	83 56	3	− 0·06	+ 0·3	4	− 0·07	+ 0·7	7	0·00	+ 0·2
λ Ursæ Minoris ...	19 58	1 6	2	− 0·64	− 0·4	4	− 0·53	+ 1·9	6	− 0·57	− 0·1
α² Capricorni ..	20 11	102 37	8	− 0·01	0·0	6	− 0·01	+ 0·1	5	0·00	+ 0·3
α Pavonis	20 15	147 10	2	− 0·38	+ 3·1	1	− 0·27	+ 1·5	...	... ..	... ..
ρ Capricorni . ..	20 21	108 15	5	+ 0·05	+ 0·5	13	+ 0·12	+ 0·7	9	+ 0·09	+ 1·3
α Cygni	20 37	45 12	5	+ 0·05	+ 0·4	4	+ 0·03	+ 0·5	4	− 0·01	+ 1·7
32 Vulpeculæ ...	20 49	62 27	6	− 0·09	+ 0·4	8	− 0·05	+ 0·7	9	− 0·02	+ 1·2
61¹ Cygni	21 1	51 54	3	+ 0·13	+ 0·6	3	+ 0·24	− 0·3	3	+ 0·20	+ 1·6
ζ Cygni	21 7	60 19	5	− 0·03	+ 0·8	14	− 0·02	0·0	5	− 0·01	+ 0·7
α Cephei	21 15	27 39	2	− 0·11	− 2·5	2	− 0·13	− 1·2	...	... ...	... ..
β Aquarii	21 25	96 10	7	+ 0·09	+ 1·3	9	+ 0·05	+ 0·9	7	+ 0·08	+ 0·8
β Cephei	21 27	20 2	1	+ 0·20	− 1·9	2	+ 0·16	− 1·1	...	... ...	... ..
ε Pegasi	21 38	80 41	4	− 0·04	+ 1·1	7	− 0·01	0·0	8	− 0·09	0·0
16 Pegasi	21 47	61 42	3	0·00	+ 1·1	4	− 0·07	+ 0·7	4	− 0·09	+ 0·7
α Aquarii .. .	21 59	90 58	6	+ 0·03	+ 0·6	9	+ 0·04	+ 0·1	4	+ 0·02	+ 0·4
α Gruis	22 0	137 37	1	+ 0·01	+ 2·8	1	+ 0·04	+ 2·4	...	... ...	... ..
θ Aquarii	22 10	98 27	10	+ 0·01	+ 1·1	7	− 0·07	+ 1·2	8	− 0·04	+ 1·1
η Aquarii	22 28	90 48	9	+ 0·04	+ 1·2	6	0·00	+ 1·3	4	+ 0·01	+ 0·8
ζ Pegasi	22 35	79 52	11	+ 0·08	+ 1·1	5	+ 0·04	+ 0·8	11	+ 0·05	+ 0·6
α Pis. Aus (*Fomalhaut*)	22 50	120 20	3	+ 0·14	+ 0·7	6	+ 0·08	+ 1·2	4	0·00	+ 0·5
α Pegasi (*Markab*) ..	22 58	75 31	12	0·00	+ 1·8	3	+ 0·01	+ 1·2	5	− 0·02	+ 1·3
γ Piscium	23 10	87 27	12	− 0·03	+ 0·2	9	0·00	+ 0·9	10	+ 0·01	+ 0·3
κ Piscium	23 20	89 29	13	− 0·02	+ 0·9	7	− 0·01	+ 0·5	9	+ 0·03	+ 0·7
ι Piscium	23 33	85 6	11	− 0·06	+ 0·2	6	− 0·07	− 0·4	9	− 0·01	− 0·2
γ Cephei ..	23 34	13 7	...	... ...	... ..	2	+ 0·22	− 2·2	...	... ...	... ..
δ Sculptoris	23 42	118 52	5	+ 0·02	+ 1·9	4	− 0·02	+ 1·8	4	− 0·03	+ 2·3
ω Piscium ...	23 52	83 53	9	− 0·02	+ 0·6	2	+ 0·03	− 0·2	3	− 0·03	+ 0·2

In Separate Results for 1865.

Page	No.	Date and Subject.	For	Read
3	1	Star ..	Taylor 11011	Taylor 11010
..	16	Nov. 10 Sec. of R. A. ..	6·64	6·63
4	20	Star ...	Lacaille 16	Lacaille 61
..	23	Nov. 6 Date ..	Nov. 6	Nov. 3
.	26	" 13 Sec. of R. A. ..	29·37	29·39
6	61	Oct. 26 Min. of R. A. ..	56	36
8	60	.... Star	V Pisc. Var. 5	Anon.
11	168	Jan. 1 Min. of P. D. ..	2	3
	191	" 29 Min. & Sec. of P. D.	44 36·6	43 36·2
	..	" 30 "	44 34·6	43 34·3
19	196	" 9 "	4 20·1	3 19·7
	194	" 19 "	30 10·7	29 10·4
31	380	Mar. 11 Sec. of R. A.	34·46	33·66
37	454	" 10 Min. of P. D.	35	36
39	668	May 22 Sec. of P. D. ..	14·1	20·3
40	693	" 22 Min. of P. D. ..	24	23
41	709	June 3 Sec. of P. D. ..	54·1	59·4
.	772	" 3 " .	21·1	23·6
43	775	July 1 Sec. of R. A. ..	38·66	34·71
..	..	" 1 Sec. of P. D. ..	35·6	13·4
45	833	" 15 Sec. of R. A.	41·96	39·22
..	..	" 15 Sec. of P. D.	74·1	19·9
54	948	Star ..	Lacaille 6630	Anon.

In Mean Positions for 1865.

Page	No.	Date and Subject.	For	Read
60	16	Sec. of Mean R. A. ..	6·64	6·63
..	20	Star ..	12 Can. α Var. 2	16 Can. α Var. 2
..	34	Estimations ..	1	....
64	48	Hour of Mean R. A. ..	1	0
..	60	Star, (erase foot-note also)	V Pisc. Var. 5	....
66	69	Sec. Var. in R. A. ..	13·4058	13·4033
69	130	Min. of Mean P. D. ..	60	63
72	164	Min. & Sec. of Mean P. D.	44 37·6	43 37·3
..	166	"	4 20·1	3 19·7
73	184	Ann. Prec. in R. A. .	0·3383	0·3743
76	307	Sec. of Mean R. A. ..	2·70	2·95
79	291	Ann. Prec. in P. D. ..	4·863	4·690
80	380	Sec. of Mean R. A. ..	34·60	33·60
84	454	Min. of Mean P. D.	36	34
91	575	Hour of Mean R. A. (also in next four lines.) ..	10	11
96	627	Min. of Mean P. D. ..	42	22
98	643	" ..	22	21
..	666	Sec. of Mean P. D. ..	14·1	20·9
100	693	Min. of Mean P. D. .	24	23
102	709	Sec. of Mean P. D. .	54·1	60·4
..	772	" ..	21·1	23·0
103	700	Ann. Prec. in R. A.	2·7081	2·4084
104	730	Hour of Mean R. A. ..	14	13
..	742	Sec. of Mean P. D. ..	20·8	24·2
..	762	Magnitude ..	2·5	1·0
..	763	" ..	1·0	2·5
106	775	Sec. of Mean R. A. ..	38·66	34·71
..	..	Sec. of Mean P. D. ..	75·5	13·4
107	..	Ann. Prec. in R. A. ..	3·3117	4·0071
..	..	Sec. Var. in R. A. ..	0·0499	0·0893
..	..	Sec. Var. in P. D. ..	0·231	0·446
109	833	Sec. of Mean R. A. ..	41·96	39·22
..	..	Sec. of Mean P. D. ..	20·1	16·9
110	864	Min. of Mean P. D. ..	21	20
116	917	Ann. Prec. in R. A. ..	67·0046	67·0037
..	..	Sec. Var. in R. A. ..	20·9483	19·0483
116	940	Star :—(also on page 117.)	Lacaille 6630	....

In Separate Results for 1866.

Page	No.	Date and Subject.	For	Read
126	13	Oct. 30 Sec. of R. A. ..	54·62	53·40
127	28	Apl. 30 " ..	14·94	13·84
135	164	Jan. 30 Min. & Sec. of P. D.	56 44·6	57 14·0
136	194	Feb. 6 Sec. of R. A. ..	26·75	26·85
142	269	Jan. 30 Min. & Sec. of P. D.	34 25·4	37 20·3
142	301	Feb. 2 Sec. of R. A. ..	22·31	22·71
144	333	Jan. 16 Min. of P. D. ..	11	10
..	343	.... Star ..	Taylor 3133	Anon.
147	386	Feb. 14 Min. & Sec. of P. D.	5 3·6	4 53·9

Page	No.	Date and Subject.	For	Read
153	460	Apl. 12 Sec. of R. A. ..	37·75	37·47
154	512	" 16 " .	17·94	13·94
156	526	" 23 " ..	29·95	30·00
159	597	Mar. 16 " ..	39·33	13·44
163	646	Apl. 25 Degrees of P. D.	3	2
164	601	June 9 Min. & Sec. of R. A.	25 3·06	24 56·81
171	606	Aug. 16 Sec. of P. D. ..	34·4	34·0
173	845	Sep. 10 Sec. of R. A. ..	77·48	24·20
174	850	" 10 " ..	37·36	36·13
176	857	" 10 Degrees of P. D. ..	61	60

In Mean Positions for 1866.

Page	No.	Date and Subject.	For	Read
182	13	Sec. of Mean R. A. ..	54·62	53·40
190	164	Min. & Sec. of Mean P. D.	56 41·6	57 14·0
192	194	Sec. of Mean R. A. ..	26·40	26·36
196	269	Min. & Sec. of Mean P. D.	36 26·4	37 20·3
220	670	Star:—(also on page 221.)	Canis Ven.	Canum Ven.
228	852	Min. of Mean R. A. ..	25	26
230	874	Degrees of Mean P. D. ..	61	60
233	861	Min. of Mean R. A.	14	24
..	887	Degrees of Mean P. D. .	61	60
..	891	Min. of Mean R. A. ..	16	46
..	901	Degrees of Mean P. D. ..	9	90
234	939	Min. of Mean R. A. ..	36	33

In Separate Results for 1867.

Page	No.	Date and Subject.	For	Read
242	49	Dec. 4 Sec. of R. A. ..	16·56	15·51
244	69	" 9 Min. of P. D.	63	22
..	74	" 16 Min. & Sec. of P. D.	35 1·1	33 21·1
249	165	Jan. 10 Min. of P. D.	29	20
250	179	" 4 Sec. of R. A.	43·86	44·51
252	210	Feb. 13 "	4·49	6·44
..	211	Jan. 26 "	20·95	20·22
255	271	" 9 " ..	4·13	4·90
256	301	Feb. 23 " ..	0·05	0·10
272	544	.... Star ..	W.B.E. XI.570	W.B.E. XI.597
275	615	Apl. 19 Sec. of R. A.	30·00	33·97
276	634	" 19 " ..	30·64	30·90
..	642	" 26 Sec. of P. D. ..	60·0	31·5
277	667	May 27 Sec. of R. A.	43·62	45·67
279	676	Apl. 19 " .	30·56	30·60
..	686	" 27 " ..	2·81	2·50
290	706	" 22 " ..	5·70	5·72
291	712	May 25 "	6·28	6·45
..	715	Apl. 22 " ..	10·65	10·50
..	720	June 24 " .	44·37	43·90
302	733	Apl. 22 " ..	81·13	51·34
..	738	July 6 " ..	42·91	17·63
305	790	Apl. 22 " ..	4·56	4·77
..	793	Aug. 10 " ..	39·63	39·63
306	807	Apl. 22 " ..	45·60	45·60
..	811	" 23 " .	72·75	72·92
..	823	Aug. 21 Min. & Sec. of P. D.	12 44·9	40 1·9
307	831	July 31 Sec. of R. A. ..	14·72	4·76
309	853	Feb. 27 " ..	15·82	14·01
..	865	.... Star ..	8 Cygni Var. 4	O. A. N. 20016
..	866	.... " ..	5 Aquilæ Var. 4	Anon.
293	920	Oct. 5 Sec. of P. D. ..	7·7	7·9
296	971	" 31 Min. & Sec. of P. D.	10 47·7	11 9·0

In Mean Positions for 1867.

Page	No.	Date and Subject.	For	Read
316	301	Sec. of Mean R. A. ..	9·90	9·94
318	334	" ..	25·94	27·44
324	454	" ..	22·04	22·01
326	490	" ..	61·83	61·97
328	493	" ..	50·50	58·13
330	533	Sec. of Mean P. D. ..	0·2	7·9
..	576	" ..	2·0	3·9
342	745	Star ..	6 Can. Var.	6 Can. Ven.
348	843	Sec. of Mean R. A. ..	13·84	13·39

ADDITIONAL ERRATA IN THE PREVIOUS VOLUME

Page.	No.	Date and Subject.	For	Read
		In Separate Results for 1862.		
8	10	Sep. 28 Sec. of P. D.	3·8	2·9
14	103	June 6 Sec. of R. A.	11·73	11·39
16	147	Aug. 16 ,,	16·50	15·62
		In Mean Positions for 1862.		
32	40	Sec. of Mean P. D.	2·8	3·7
34	147	Sec. of Mean R. A.	16·50	15·65
36	,,	Proper motions	Both to be omitted.	
		In Separate Results for 1863.		
86	166	Jan. 30 Sec. of R. A.	26·01	25·41
90	353	Mar. 5 ,,	48·78	45·24
93	367	,, 12 Min.&Sec. of P. D.	53 17·9	54 18·1
99	457	Apl. 13 Sec. of R. A.	13·36	14·06
100	617	May 20 Min.&Sec. of P. D.	36 61·9	37 34·4
105	670	June 3 Sec. of P. D.	9·1	14·1
		In Mean Positions for 1863.		
128	166	Sec. of Mean R. A.	26·01	25·41
130	243	Note. Period in days	229	394
135	353	Sec. of Mean R. A.	48·78	45·24
,,	367	Min. & Sec. of Mean P. D.	53 17·9	54 18·1
142	530	Foot-note to be inserted.	Double: fainter comp. n p.	
144	657	Sec. of Mean R. A.	13·36	14·06
150	617	Min. & Sec. of Mean P. D.	36 61·9	37 34·4
155	634	Sec. Var. in P. D.	1·027	2·877
156	666	Star	6989 Taylor.	6980 Taylor
,,	670	Sec. of Mean P. D.	9·1	14·1
		In Separate Results for 1861.		
166	8	Sep. 27 Sec. of R. A.	39·31	39·34
,,	,,	Oct. 7 ,,	39·34	39·50
171	56	Nov. 29 Star	V Pisc. Var. 1	
183	262	3 days. Min. of P. D.	2	1
194	330	Sep. 13 Sec. of P. D.	40·4	46·1
200	408	,, 29 ,,	53·8	51·7
220	658	Apl. 27 ,,	7·2	12·8
231	768	June 4 Sec. of R. A.	62·36	63·30
,,	793	,, 6 ,,	15·97	16·75
233	796	Aug. 8 Min. of P. D.	7	6
237	864	Oct. 1 Sec. of R. A.	22·17	21·40
239	879	Aug. 24 Min. of R. A.	64	47
245	943	Nov. 4 Sec. of R. A.	61·64	61·76
248	949	Sep. 22 Sec. of P. D.	1·0	5·5
249	974	Nov. 7 Sec. of R. A.	43·78	69·47
250	1000	,, 12 Min. & Sec. of P. D.	60 3·3	49 51·2
		In Mean Positions for 1861.		
252	8	Sec. of Mean R. A.	39·45	39·47
254	56	Star (erase note also)	V Pisc. Var.	
258	118	Foot-note	115	119
266	262	Min. of Mean P. D.	2	1
270	332	Foot-note. Period in days	229	66
,,	336	Sec. of Mean P. D.	41·3	61·3
274	408	,,	53·9	51·7
276	446	Star, note and page 277	30 Hydræ V. 1	30 Hydræ V. 2.
284	573	Insert foot-note	Double: fainter comp. n p	
288	658	Sec. of Mean P. D.	7·2	12·8
294	769	Sec. of Mean R. A.	62·36	63·30
296	773	,,	15·97	16·75
,,	796	Min. of Mean P. D.	7	6
,,	801	,,	40	44
300	864	Sec. of Mean R. A.	22·17	21·40
302	879	Min. of Mean R. A.	64	47
304	943	Sec. of Mean R. A.	61·61	61·71
305	931	Sec. Var. in R. A.	1·1361	1·1704
306	949	Sec. of Mean P. D.	1·0	5·5

SEPARATE RESULTS

OF

OBSERVATIONS

OF THE FIXED STARS,

MADE WITH THE

MADRAS MERIDIAN CIRCLE

IN THE YEAR

1865.

Separate Results of Madras Meridian Circle Observations in 1865.

Number and Date.	Magnitude.	Mean Right Ascension 1865. h.	m.	s.	No. of Wires.	Mean Polar Distance 1865. °	′	″	Observer.
1	*Taylor* 11011.								
Oct. 26	7·9	0	0	31·34	5	147	35	17·4	R
2	*Anon.*								
Oct. 13	8·8	0	0	45·23	5	151	23	33·8	M
Nov. 13	9·0		0	44·77	...		23	33·7	M
14	9·0		0	44·96	...		23	33·3	M
15	9·1		0	45·06	...		23	34·8	M
3	21 *Andromedae* α, *Alpherat.*								
Oct. 6	...	0	1	24·83	...	61	30	18·7	M
23	...		1	24·73	...		30	18·8	R
Nov. 13	...		1	24·80	...		30	18·0	R
30	...		1	24·99	...		30	18·7	M
4	*Lacaille* 9739.								
Oct. 11	7·6	0	2	7·30	...	130	29	19·0	M
5	*Taylor* 7.								
Nov. 10	7·1	0	3	0·31	...	93	13	45·0	M
6	*Lacaille* 9757.								
Sep. 29	7·0	0	4	28·28	5	131	7	27·8	R
30	7·8		4	28·10	...		7	27·9	R
Oct. 24	8·5		4	28·22	4		7	27·5	R
7	*Lacaille* 3.								
Nov. 11	6·7	0	6	9·36	...	148	30	55·7	M
8	*Anon.*								
Sep. 26	9·2	0	6	14·16	5	131	7	59·3	R
29	9·0		6	14·33	5		7	57·4	R
9	88 *Pegasi* γ, *Algenib.*								
Oct. 5	...	0	6	17·13	...	75	34	2·8	M
6	...		6	17·21	...		34	1·9	M
7	...		6	17·20	...		34	3·0	M
27	...		6	17·16	...		34	2·6	R
Nov. 8	...	0	6	17·07	...	75	34	1·9	M
17	...		6	17·15	...		34	2·0	R
18	...		6	17·15	...		34	1·8	R
10	*Anon.*								
Sep. 26	9·2	0	6	41·55	...	131	6	42·6	R
30	9·5		6	41·56	6		6	41·3	R
Oct. 24	9·2		6	41·50	4		6	42·8	R
11	*Anon.*								
Oct. 13	...	0	9	25·34	5	149	31	30·3	R
12	*Anon.*								
Oct. 12	9·0	0	9	36·16	5	153	54	48·6	M
16	9·2		9	36·30	5		54	49·3	R
13	*Anon.*								
Oct. 11	6·9	0	10	37·74	...	152	0	33·5	M
Nov. 14	8·5		10	37·77	...		0	33·2	M
15	6·3		10	37·62	...		0	34·5	M
14	*Lacaille* 41.								
Nov. 13	8·0	0	12	36·74	...	130	51	42·8	M
15	41 *Piscium d.*								
Oct. 3	...	0	13	39·00	...	82	33	35·2	M
4	...		13	39·17	...		33	34·5	M
Nov. 23	...		13	39·16	...		33	36·3	R
16	*Lacaille* 61.								
Nov. 10	7·0	0	16	5·66	3	130	0	38·5	M
17	R *Andromedae Var.* 1.								
Nov. 29	6·5	0	16	51·52	...	52	10	16·2	R
Dec. 1	6·8		16	51·37	...		10	15·1	M
2	6·9		16	51·65	...		10	16·1	M
18	*Anon.*								
Sep. 26	9·5	0	17	40·60	...	149	34	51·7	R

Separate Results of Madras Meridian Circle Observations in 1865.

Number and Date.	Magnitude.	Mean Right Ascension 1865. h.	m.	s.	No. of Wires.	Mean Polar Distance 1865. °	′	″	Observer.
19				*Anon.*					
Nov. 11	9·3	0	19	33·62	...	152	57	18·0	M
16	8·9		19	34·08	5		57	19·0	R
20				*Lacaille* 18.					
Sep. 30	7·0	0	19	41·24	...	130	0	20·4	R
Oct. 27	7·8		19	41·38	4		0	20·1	R
31	...		19	41·29	5		0	20·4	R
Nov. 10	7·0		19	41·32	5		0	19·8	M
21				10 *Ceti.*					
Nov. 28	...	0	19	42·00	...	90	47	53·7	R
22				12 *Ceti.*					
Oct. 5	...	0	23	8·95	...	94	42	14·8	M
13	...		23	9·06	...		42	15·0	M
14	...		23	8·92	...		42	14·5	M
Nov. 1	...		23	8·91	...		42	13·8	M
8	...		23	9·04	...		42	13·6	M
13	...		23	8·91	...		42	15·2	M
14	...		23	8·93	...		42	14·9	M
15	...		23	8·86	...		42	14·0	M
19	...		23	8·96	...		42	12·7	R
21	...		23	8·99	...		42	14·3	R
30	...		23	8·97	...		42	15·0	M
23				*Anon.*					
Oct. 11	8·0	0	27	10·98	...	76	13	48·5	M
Nov. 6	7·3		27	10·96	...		13	47·7	M
24				*Lacaille* 132.					
Oct. 18	...	0	27	21·46	...	151	53	37·1	R
25				*Lalande* 970.					
Oct. 3	7·9	0	31	7·88	4	90	54	47·5	M
7	7·9		31	7·80	.		54	49·9	M
Nov. 19	7·9		31	7·72	...		54	48·9	M
14	8·0		31	7·91	...		54	49·8	M
26				*Anon.*					
Nov. 13	8·2	0	31	29·37	...	83	28	2·2	M
16	8·5		31	29·39	...		28	0·8	R
Dec. 2	8·0		31	29·31	...		28	3·7	M
27				*Lalande* 1010.					
Oct. 23	9·0	0	32	18·53	...	82	32	6·9	R
28				18 *Cassiopeae* α *Var.* 2, *Shedir.*					
Oct. 31	...	0	32	51·60	...	34	12	15·7	R
Nov. 21	...		32	51·66	5		12	13·4	R
29				*Anon.*					
Oct. 24	9·3	0	36	1·75	...	83	28	31·8	R
30				16 *Ceti* β.					
Oct. 6	...	0	36	48·67	...	108	43	41·9	M
Nov. 11	...		36	48·61	...		43	42·8	M
15	...		36	48·64	...		43	42·1	M
17	...		36	48·66	...		43	42·2	R
21	...		36	48·61	5		43	43·0	R
22	...		36	48·69	...		43	42·4	R
Dec. 5	...		36	48·68	...		43	39·8	M
31				*W. B. E.* 0·628.					
Oct. 18	...	0	36	57·06	...	93	49	9·6	R
32				*W. B. E.* 0·705.					
Dec. 7	7·9	0	41	11·31	...	94	26	57·2	M
33				*Taylor* 235.					
Nov. 10	6·8	0	41	18·18	...	85	21	58·3	M
34				63 *Piscium* δ.					
Sep. 6	5·0	0	41	40·79	...	83	9	0·7	M
Oct. 31	...		41	40·80	...		9	1·4	R

Separate Results of Madras Meridian Circle Observations in 1865.

Number and Date.	Magnitude.	Mean Right Ascension 1865. h. m. s.	No. of Wires.	Mean Polar Distance 1865. ° ′ ″	Observer.
35		*W. B. E.* 0·716.			
Oct. 23	9·3	0 41 44·57	...	91 36 29·8	B
Nov. 14	9·0	41 44·55	...	36 30·2	M
36		*Anon.*			
Oct. 7	9·2	0 42 58·18	4	89 4 1·1	M
Nov. 28	...	42 58·07	...	4 1·6	B
37		*Anon.*			
Nov. 4	9·0	0 47 38·53	5	153 39 57·1	M
38		λ[1] *Toucani.*			
Nov. 15	6·0	0 48 0·08	5	153 36 20·5	M
17	6·0	48 0·25	5	36 21·5	B
29	6·7	48 0·32	5	36 21·0	B
39		*Anon.*			
Oct. 3	9·2	0 48 57·80	...	133 46 57·8	M
Nov. 13	9·0	48 57·83	...	46 54·2	M
40		*Lacaille* 264.			
Dec. 8	7·9	0 50 47·26	5	154 41 46·1	M
41		2 *Ursae Minoris.*			
Oct. 23	...	0 50 51·64	3	4 28 8·9	B
42		*W. B. E.* 0·897.			
Nov. 24	9·2	0 52 15·52	...	92 49 38·7	B
43		*Lacaille* 271.			
Nov. 10	7·7	0 52 44·88	...	151 25 38·4	M
Dec. 7	7·1	52 44·97	5	25 38·2	M
44		70 *Piscium.*			
Oct. 18	...	0 55 6·85	...	82 47 16·9	B
26	...	55 6·71	...	47 18·2	B
Nov. 14	6·9	55 6·88	...	47 19·6	M
45		71 *Piscium* ε			
Sep. 6	...	0 55 56·21	...	82 50 14·2	M
7	...	55 56·40	...	50 15·5	M
Oct. 7	...	55 56·32	...	50 15·4	M
27	...	55 56·41	...	50 14·4	B
31	...	55 56·30	...	50 15·3	B
Nov. 11	...	55 56·26	...	50 14·9	M
16	...	55 56·28	...	50 14·7	B
17	...	55 56·25	...	50 15·9	B
21	...	55 56·31	...	50 16·0	B
22	...	55 56·25	...	50 15·6	B
28	...	55 56·34	5	50 16·8	B
29	...	55 56·32	...	50 15·8	B
30	...	55 56·24	...	50 14·9	M
46		*Anon.*			
Nov. 16	8·0	1 5 48·39	...	129 52 44·1	B
Dec. 9	8·0	5 48·36	...	52 43·7	M
12	7·9	5 48·42	...	52 43·4	M
47		86 *Piscium* ζ (1st).			
Oct. 4	...	1 6 40·72	...	83 8 21·3	M
5	...	6 40·83	..	8 22·8	M
Nov. 28	...	6 40·67	...	8 22·1	B
29	...	6 40·80	...	8 22·6	B
48		*Anon.*			
Dec. 1	7·9	1 7 28·41	...	152 59 45·0	M
14	6·0	7 28·42	...	59 45·2	M
49		1 *Ursae Minoris* α, *Polaris.*			
Oct. 7	...	0 9 36·47	3	1 24 39·3	M
28	...	9 36·61	3	24 35·8	B
Nov. 14	...	9 36·22	2	24 40·8	M
27	...	9 37·21	3	24 37·7	B
Dec. 11	...	9 36·82	2	24 39·1	M
		1 *Ursae Minoris* α, *Polaris—s.p.*			
Apl. 8	...	1 9 37·91	3	1 24 37·7	M
26	...	9 39·43	3	24 38·3	B

Separate Results of Madras Meridian Circle Observations in 1865.

Number and Date.	Magnitude.	Mean Right Ascension 1865. h.	m.	s.	No. of Wires.	Mean Polar Distance 1865. °	′	″	Observer.
May 8	...	1	9	36·89	1	1	24	37·7	M
15	...		9	38·14	2		24	38·8	M
22	...		9	37·15	3		24	36·7	R
26	...		9	38·79	1		24	39·2	R
50				*Anon.*					
Oct. 26	9·7	1	10	11·77	...	81	49	27·0	R
Nov. 15	9·6		10	11·60	...		49	25·9	M
16	9·7		10	11·68	4		49	26·6	M
51				*Anon.*					
Oct. 12	8·0	1	10	21·82	...	153	51	46·1	M
Nov. 10	8·7		10	21·64	3		51	45·7	M
13	8·1		10	21·73	...		51	44·3	M
52				*Anon.*					
Dec. 15	9·1	1	12	16·44	...	153	17	16·2	M
53				*Anon.*					
Nov. 4	8·0	1	17	3·35	4	96	31	6·9	M
Dec. 14	7·9		17	3·00	3		31	4·7	M
54				45 *Ceti* θ′					
Nov. 11	...	1	17	16·42	...	98	52	52·3	M
15	...		17	16·52	...		52	52·6	M
22	...		17	16·51	...		52	52·3	R
29	...		17	16·45	...		52	52·2	R
Dec. 2	...		17	16·55	...		52	53·3	M
28	...		17	16·47	5		52	54·4	R
55				*Anon.*					
Dec. 8	7·9	1	18	55·35	...	151	20	5·0	M
56				*Anon.*					
Oct. 7	8·4	1	23	31·24	...	87	43	40·2	M
57				*Anon.*					
Nov. 16	10·0	1	24	2·97	5	90	5	55·3	R
58				99 *Piscium* η					
Nov. 11	...	1	24	15·86	...	75	21	4·9	M
13	...		24	15·85	...		21	6·4	M
14	...		24	15·64	...		21	7·6	M
15	...		24	15·73	4		21	6·1	M
25	...		24	15·76	...		21	6·7	R
Dec. 1	...		24	15·64	5		21	5·9	M
2	...		24	15·80	3		21	7·9	M
7	...		24	15·82	...		21	4·4	M
28	...		24	15·68	...		21	5·7	R
59				*Anon.*					
Nov. 4	9·0	1	29	3·40	...	150	42	16·4	M
28	9·6		29	3·47	5		42	16·7	R
Dec. 8	8·8		29	3·29	4		42	15·3	M
60				α *Eridani, Achernar.*					
Oct. 31	...	1	32	41·25	...	147	55	26·4	R
Nov. 3	...		32	41·24	...		55	25·2	M
22	...		32	41·06	6		55	26·7	R
27	...		32	41·18	...		55	28·0	R
30	...		32	41·09	...		55	26·6	M
61				106 *Piscium* ν					
Oct. 4	...	1	34	24·34	...	85	11	48·5	M
Nov. 13	...		34	24·30	...		11	50·1	M
14	...		34	24·43	...		11	50·3	M
16	...		34	24·51	...		11	49·0	R
28	...		34	24·46	...		11	49·3	R
29	...		34	24·49	...		11	49·6	R
Dec. 7	...		34	24·35	...		11	48·0	M
9	...		34	24·47	...		11	48·6	M
28	...		34	24·48	...		11	50·4	R
62				*Lacaille* 503.					
Dec. 12	7·9	1	35	45·49	4	151	41	1·1	M
63				*Lacaille* 507.					
Nov. 4	6·7	1	37	10·60	4	151	28	14·2	M

Separate Results of Madras Meridian Circle Observations in 1865.

Number and Date.	Magnitude.	Mean Right Ascension, 1865. h.	m.	s.	No. of Wires.	Mean Polar Distance 1865. °	'	"	Observer.
64				*Anon.*					
Oct. 7	9·0	1	38	35·54	4	152	2	36·6	M
65				*Lacaille* 516.					
Dec. 8	7·1	1	40	0·38	3	151	41	50·0	M
66				*Taylor* 590.					
Oct. 31	...	1	41	26·60	...	86	59	23·3	R
67				*Anon.*					
Nov. 17	9·3	1	41	59·38	6	130	14	57·3	R
28	9·2		41	59·49	...		14	55·5	R
68				*V Piscium Var.* 5.					
Oct. 24	10·3	1	47	10·43	2	81	52	59·0	R
69				6 *Arietis* β					
Nov. 4	...	1	47	11·20	...	69	51	14·2	M
10	...		47	11·25	...		51	13·5	M
27	...		47	11·17	5		51	13·8	R
Dec. 5	...		47	11·23	...		51	13·1	M
7	...		47	11·25	2		51	13·5	M
12	...		47	11·18	...		51	12·6	M
14	...		47	11·25	.		51	13·2	M
28	...		47	11·15	.		51	14·5	R
70				*Lacaille* 582.					
Oct. 7	8·0	1	50	56·77	5	145	41	4·3	M
Nov. 28	7·0		50	56·84	5		41	3·5	R
Dec. 13	7·1		50	56·86	...		41	4·3	M
71				*Lacaille* 593.					
Oct. 27	8·2	1	52	4·49	.	140	7	53·1	R
Nov. 18	8·5		52	4·61	5		7	53·3	R
Dec. 9	7·9		52	4·53	5		7	53·2	M
72				*Anon.*					
Nov. 15	8·1	1	51	55·60	.	130	55	21·3	M
73				*Taylor* 673.					
Nov. 13	6·7	1	56	18·74	...	72	23	50·4	M
Dec. 8	6·4		56	18·51	...		23	49·3	M
11	6·2		56	18·58	...		23	50·3	M
74				*Anon.*					
Oct. 21	9·7	1	50	25·62	5	150	2	15·7	R
75				13 *Arietis* α					
Nov. 4	...	1	59	34·07	...	67	10	42·1	M
10	...		59	34·09	...		10	42·3	M
14	...		59	34·20	...		10	42·1	M
16	...		59	34·05	..		10	40·9	R
27	...		59	34·08	...		10	40·5	R
28	...		59	34·01	...		10	41·3	R
Dec. 5	...		59	33·98	...		10	41·0	M
12	...		59	34·08	...		10	40·1	M
13	...		59	34·00	...		10	39·7	M
25	...		59	34·11	4		10	41·1	R
30	...		59	34·09	...		10	39·8	R
76				*Lacaille* 630.					
Oct. 26	7·2	1	59	50·95	...	145	31	43·0	R
Nov. 11	6·8		59	50·82	...		31	43·2	M
18	6·7		59	50·83	...		31	43·3	R
77				*Anon.*					
Oct. 27	9·3	2	1	5·29	5	149	48	46·2	R
78				*Taylor* 697.					
Oct. 7	7·0	2	1	47·91	...	143	43	42·1	M
79				65 *Ceti* ξ¹					
Oct. 5	...	2	5	30·77	...	81	47	17·3	M
6	...		5	30·73	...		47	18·8	M
Nov. 29	...		5	30·86	...		47	17·8	R
30	...		5	30·90	...		47	17·9	M

Separate Results of Madras Meridian Circle Observations in 1865.

Number and Date.	Magnitude.	Mean Right Ascension 1865. h.	m.	s.	No. of Wires.	Mean Polar Distance 1865. °	′	″	Observer.
80				*Lacaille 677.*					
Oct. 7	7·9	2	6	57·80	5	149	47	20·4	M
27	8·0		6	57·60	4		47	19·0	R
Nov. 10	7·9		6	57·66	...		47	18·4	M
81				*Anon.*					
Nov. 15	9·2	2	7	0·77	...	148	39	13·8	M
23	9·7		7	0·91	...		39	13·8	R
82				*Taylor 754.*					
Nov. 13	8·7	2	9	13·69	...	147	58	36·3	M
Dec. 5	8·3		9	13·87	4		58	37·1	M
13	8·9		9	13·81	...		58	37·3	M
83				*67 Ceti.*					
Jan. 6	...	2	10	15·03	...	97	2	45·4	M
Nov. 4	...		10	14·99	...		2	47·2	M
16	...		10	15·01	...		2	45·7	R
27	...		10	15·03	...		2	46·0	R
Dec. 1	...		10	15·01	...		2	46·3	M
7	...		10	14·98	...		2	41·8	M
8	...		10	15·04	...		2	45·7	M
9	...		10	15·09	...		2	46·1	M
12	...		10	14·98	...		2	47·1	M
14	...		10	15·03	...		2	48·0	M
20	...		10	15·03	3		2	46·7	R
30	...		10	15·07	..		2	45·2	R
84				*Anon.*					
Oct. 27	9·3	2	13	59·85		145	26	39·3	R
28	9·7		14	0·16	...		26	40·7	R
Nov. 28	9·4		14	0·10	...		26	40·9	R
85				*Anon.*					
Nov. 15	7·8	2	16	23·28	...	151	18	7·1	M
86				*Taylor 818.*					
Oct. 7	8·4	2	19	10·07	...	147	25	41·1	M
Dec. 5	7·8		19	10·01	...		25	43·0	M
87				*Anon.*					
Dec. 1	8·9	2	20	12·69	...	146	32	26·1	M
88				*73 Ceti ξ²*					
Jan. 6	...	2	20	59·00	...	82	8	48·9	M
Oct. 5	...		20	58·98	...		8	49·8	M
6	...		20	58·90	...		8	48·3	M
Nov. 3	...		20	59·12	...		8	48·5	M
27	...		20	58·99	...		8	48·2	R
29	...		20	59·00	...		8	49·2	R
30	...		20	59·06	...		8	48·7	M
Dec. 19	...		20	59·02	...		8	49·6	R
20	...		20	58·96	5		8	49·7	R
25	...		20	59·02	...		8	49·5	R
30	...		20	58·94	...		8	48·5	R
89				*λ Horologii*					
Dec. 8	6·1	2	21	7·71	...	150	55	4·6	M
11	6·0		21	7·98	5		55	5·4	M
90				*Anon.*					
Nov. 23	9·2	2	24	16·73	5	152	35	21·9	R
91				*Anon.*					
Dec. 12	8·4	2	24	29·96	...	147	2	28·6	M
13	8·0		24	30·08	...		2	29·6	M
14	8·1		24	30·05	..		2	29·9	M
92				*Lacaille 782.*					
Nov. 15	7·0	2	26	11·71	...	148	24	39·4	M
Dec. 5	7·0		26	11·96	...		24	39·9	M
93				*Anon.*					
Dec. 16	9·8	2	29	12·95	5	147	37	13·9	R
94				*Anon.*					
Nov. 17	10·1	2	29	15·10	...	85	0	20·7	R
27	10·3		29	15·28	2		0	18·[illegible]	R
Dec. 15	10·1		29	15·29	4		0	19·9	R

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Number and Date.	Magnitude.	Mean Right Ascension 1865. h.	m.	s.	No. of Wires.	Mean Polar Distance. 1865. °	′	″	Observer.
95				*W. B. N.* II 556.					
Nov. 11	8·8	2	33	13·47	...	74	53	43·7	M
Dec. 8	8·0		33	13·53	...		53	42·5	M
11	7·9		33	13·59	...		53	43·4	M
96				*Anon.*					
Dec. 13	8·8	2	34	2·15	3	74	56	17·2	M
97				*Lacaille* 849 (2nd).					
Jan. 7	8·2	2	36	7·18	...	150	8	58·7	M
Dec. 5	7·9		36	7·15	...		8	59·1	M
12	7·9		36	7·11	...		8	59·5	M
18	8·0		36	7·11	6		9	0·1	R
98				86 *Ceti* γ					
Nov. 28	...	2	36	18·47	...	87	20	8·1	R
Dec. 2	...		36	18·36	...		20	7·9	M
14	...		36	18·45	5		20	7·3	M
15	...		36	18·51	...		20	8·1	R
16	...		36	18·51	...		20	6·7	R
19	...		36	18·41	...		20	7·1	M
20	...		36	18·30	...		20	7·8	R
21	...		36	18·43	...		20	8·1	M
22	...		36	18·40	...		20	7·9	R
99				*Lacaille* 868.					
Nov. 15	8·0	2	38	34·50	...	147	12	55·3	M
100				*W. B. N.* II 676.					
Dec. 1	7·9	2	40	11·43	...	73	20	8·4	M
101				*Anon.*					
Nov. 4	8·0	2	43	19·61	5	143	0	22·9	M
102				*W. B. N.* II 733.					
Jan. 4	9·3	2	43	22·30	2	76	1	57·2	M
Dec. 8	9·0		43	22·42	...		1	57·2	M
13	8·2		43	22·33	...		1	56·4	M
103				*Anon.*					
Dec. 15	9·2	2	41	30·97	...	148	13	37·2	R
104				*Anon.*					
Dec. 18	9·8	2	45	18·82	..	76	27	40·0	R
105				*Taylor* 969.					
Dec. 16	7·2	2	45	40·82	...	74	4	13·0	R
106				*Rumker* 87.					
Jan. 7	6·0	2	46	2·26	...	153	22	8·0	M
Nov. 13	6·0		46	2·09	...		22	5·6	M
Dec. 5	5·9		46	2·16	5		22	6·1	M
12	5·9		46	2·25	...		22	4·9	M
107				*Lalande* 5380.					
Oct. 6	8·0	2	47	45·27	...	74	14	25·2	M
Nov. 15	8·0		47	45·45	...		14	26·1	M
Dec. 11	7·9		47	45·36	...		14	25·7	M
108				*Lacaille* 941.					
Nov. 14	6·8	2	50	28·11	...	146	23	52·4	M
Dec. 14	6·5		50	28·35	...		23	51·8	M
109				*Anon.*					
Jan. 9	9·0	2	52	23·47	...	150	16	54·8	M
110				*Anon.*					
Dec. 13	8·5	2	53	17·19	3	148	41	13·0	M
111				92 *Ceti* α, *Menkar.*					
Nov. 17		2	55	13·42	6	86	26	32·7	R
Dec. 15	...		55	13·44	...		26	32·8	R
16	...		55	13·41	...		26	33·0	R
18	...		55	13·40	...		26	30·9	R
19	...		55	13·42	...		26	32·4	R
20	...		55	13·47	4		26	32·6	M
22	...		55	13·50	...		26	33·5	R

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Number and Date.	Magnitude.	Mean Right Ascension 1865. h.	m.	s.	No. of Wires.	Mean Polar Distance 1865. °	′	″	Observer.
112			25 *Persei ρ Var.* 2						
Jan. 10	...	2	56	32·14	4	51	41	7·6	M
Nov. 28	..		56	31·97	...		41	10·1	N
113			*Taylor* 1037.						
Dec. 5	8·3	2	56	55·45	5	150	21	21·2	M
114			*Taylor* 1047.						
Jan. 7	6·5	2	59	53·15		151	19	38·1	M
115			*Taylor* 1057.						
Nov. 4	7·0	3	0	47·82	...	151	22	6·7	M
Dec. 12	7·0		0	47·82	5		22	6·7	M
116			*R. P. L.* 33.						
Dec. 11	...	3	0	55·05	5	5	34	37·7	M
21	...		0	54·70	5		34	37·0	N
			R. P. L. 33—*s.p.*						
June 19	...	3	0	54·74	3	5	34	38·9	N
117			57 *Arietis δ*						
Oct. 6	...	3	3	54·75	...	70	47	10·8	M
Nov. 30	...		3	54·75	...		47	11·9	M
Dec. 1	...		3	54·75	..		47	11·5	M
8	...		3	54·84	...		47	11·9	M
13	...		3	54·86	...		47	11·1	M
15	...		3	54·71	...		47	12·4	N
16	...		3	54·64	...		47	12·4	N
18	...		3	54·77	...		47	12·1	N
118			*Lacaille* 1007.						
Jan. 9	7·5	3	4	49·30		152	14	14·2	M
Dec. 11	7·0		4	49·53	...		14	15·2	M
119			*Taylor* 1127.						
Jan. 11	8·1	3	11	49·64	4	131	46	6·7	M
Dec. 11	7·9		11	49·57	2		46	7·9	M
12	7·4		11	49·33	...		46	6·1	M
18	8·5		11	49·48	5		46	8·4	N
120			*Anon.*						
Nov. 16	9·0	3	12	25·72	...	130	57	58·6	N
Dec. 15	8·5		12	25·80	...		57	59·2	N
121			*Anon.*						
Dec. 13	8·5	3	12	43·38	...	130	50	3·9	M
122			33 *Persei α*						
Dec. 16	...	3	14	41·76	...	40	37	21·6	N
123			ζ^2 *Reticuli.*						
Jan. 4	6·0	3	15	17·57	3	153	1	24·7	M
124			*Anon.*						
Dec. 18	8·9	3	20	35·98	5	149	28	18·9	N
125			*Anon.*						
Dec. 16	9·7	3	20	43·35	4	51	47	36·6	N
126			*R. P. L.* 34.						
Dec. 21	...	3	22	34·13	5	3	47	12·9	N
127			5 *Tauri f*						
Jan. 6	..	3	23	25·23	...	77	31	42·9	M
7	...		23	25·41	...		31	43·0	M
Oct. 6	...		23	25·36	.		31	42·7	M
7	...		23	25·44	...		31	42·6	M
128			*Anon.*						
Nov. 16	9·2	3	25	58·06	.	87	53	4·6	N
28	10·0		25	58·18	3		53	4·1	N
Dec. 13	9·0		25	57·97	...		53	5·3	M
129			*Lacaille* 1143.						
Nov. 29	6·0	3	27	1·78	...	153	24	53·4	N
Dec. 14	5·9		27	2·13	...		24	53·5	M

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Number and Date.	Magnitude.	Mean Right Ascension 1865. h.	m.	s.	No. of Wires.	Mean Polar Distance 1865. °	′	″	Observer.
130			*Lacaille* 1150.						
Nov. 11	8·9	3	28	28·71	...	152	28	5·0	M
17	8·8		28	28·74	3		28	6·1	R
Dec 16	7·0		28	28·53	5		28	5·8	R
131			*Lacaille* 1159.						
Jan. 4	6·8	3	30	17·65	3	151	28	24·5	M
132			*Taylor* 1256.						
Jan. 9	8·0	3	35	28·31	...	150	13	6·9	M
133			*Anon.*						
Dec. 16	9·7	3	35	52·33	5	152	26	14·7	R
134			*Anon.*						
Nov. 16	9·0	3	38	7·32	...	136	12	41·3	R
135			*Anon.*						
Dec. 18	..	3	39	23·89	...	66	30	23·2	R
136			*25 Tauri η, Alcyone.*						
Jan 6	..	3	39	27·78	...	66	18	55·3	M
Dec. 8	...		39	27·81	.		18	56·5	M
16	...		39	27·81	5		18	56·7	R
21	...		39	27·70	...		18	56·5	R
137			*Taylor* 1318.						
Jan 4	5·9	3	42	30·85	2	155	14	2·4	M
10	5·9		42	31·20	4		14	1·1	M
Nov. 17	...		42	31·05	...		14	58·5	R
138			*Anon.*						
Jan 11	8·7	3	46	33·79	...	143	33	28·3	M
Nov. 27	8·8		46	33·46	..		33	29·8	R
139			*34 Eridani γ¹*						
Jan. 4	...	3	51	43·86	...	103	53	42·9	M
6	...		51	43·81	...		53	41·9	M
7	...		51	43·91	...		53	41·7	M
9	...		51	43·87	..		53	42·5	M
Dec. 15	...		51	43·88	...		53	42·8	R
21	...		51	43·89	..		53	43·0	R
140			*35 Tauri λ Var. 1.*						
Nov. 4	5·9	3	53	12·17	...	77	53	38·4	M
141			*Anon.*						
Nov. 27	8·0	3	53	41·84	5	143	8	14·5	R
142			*Lacaille* 1327.						
Dec 2	...	3	54	19·59	5	153	51	22·3	M
143			*R. P. L.* 35.						
Jan. 10	...	3	55	10·90	3	4	48	21·4	M
144			*Lacaille* 1347.						
Jan. 11	8·0	3	58	8·19	...	149	2	26·5	M
Dec. 13	7·1		58	8·04	...		2	26·9	M
145			*Lalande* 7764.						
Jan. 6	8·2	4	3	31·54	...	71	43	43·0	M
Dec. 1	7·9		3	31·20	...		43	43·2	M
12	8·0		3	31·56	...		43	42·2	M
146			*Anon.*						
Jan. 11	9·2	4	5	1·35	4	150	5	21·9	M
147			*38 Eridani ο¹*						
Jan 4	...	4	5	16·63	...	97	11	33·0	M
7	...		5	16·58	...		11	32·3	M
9	..		5	16·67	...		11	33·1	M
Dec 9	...		5	16·50	...		11	32·1	M
13	...		5	16·57			11	32·3	M
14	...		5	16·44			11	32·8	M
18	...		5	16·44	..		11	[illegible]	R

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Number and Date	Magnitude	Mean Right Ascension 1865. h m s	No. of Wires	Mean Polar Distance 1865. ° ′ ″	Observer
148		*Anon.*			
Jan. 10	8·3	4 9 48·62	...	129 18 43·6	M
149		*U Tauri Var. 7.*			
Jan. 17	9·8	4 13 57·17	5	70 30 30·1	R
150		*T Tauri Var. 6.*			
Jan. 18	10·3	4 14 7·73	2	70 47 23·8	R
19	10·2	14 7·48	5	47 23·0	R
151		*ε Reticuli.*			
Jan. 6	5·2	4 14 9·66	5	149 37 42·1	M
152		*Anon.*			
Jan. 28	9·6	4 15 42·03	...	128 39 40·4	M
153		*74 Tauri ε*			
Jan. 4	...	4 20 44·16	...	71 7 21·5	M
7	...	20 44·13	...	7 20·6	M
9	...	20 44·05	...	7 20·7	M
10	...	20 44·19	...	7 21·4	M
Oct. 7	...	20 44·13	...	7 20·7	M
Dec. 1	...	20 44·23	5	7 21·1	M
2	...	20 44·18	...	7 21·9	M
8	...	20 44·05	...	7 20·5	M
9	...	20 44·10	...	7 19·8	M
11	...	20 44·29	...	7 21·6	M
12	...	20 44·10	...	7 21·6	M
13	...	20 44·14	...	7 19·8	M
154		*R Tauri Var. 2.*			
Dec. 18	8·3	4 20 53·87	...	80 8 30·1	R
155		*Taylor 1582.*			
Jan. 6	6·8	4 23 13·41	5	151 32 44·1	M
Nov. 4	6·5	23 13·23	...	32 42·5	M
156		*Lacaille 1519.*			
Jan. 17	7·3	4 25 35·08	3	153 5 59·7	R
157		*87 Tauri α, Aldebaran.*			
Jan. 7	...	4 28 10·57	...	73 45 55·7	M
10	...	28 10·70	...	45 56·0	M
19	...	28 10·62	...	45 56·6	R
21	...	28 10·51	...	45 55·3	R
Oct. 7	...	28 10·62	...	45 55·7	M
Dec. 1	...	28 10·59	...	45 56·4	M
2	...	28 10·42	...	45 57·8	M
11	...	28 10·59	...	45 56·5	M
158		*Anon.*			
Dec. 19	9·3	4 31 41·20	...	142 59 28·9	R
159		*W. B. N. IV. 626.*			
Jan. 4	9·0	4 32 39·58	...	66 27 22·7	M
6	9·0	32 39·67	...	27 22·5	M
9	9·0	32 39·55	...	27 22·2	M
11	9·0	32 39·72	...	27 22·3	M
23	9·2	32 39·59	...	27 22·6	R
26	9·5	32 39·56	...	27 21·6	R
27	8·6	32 39·76	...	27 23·7	R
160		*W. B. N. IV, 726.*			
Jan. 18	8·3	4 33 54·61	...	66 15 9·5	R
19	8·3	33 54·58	...	15 9·3	R
21	...	33 54·65	...	15 9·9	R
161		*94 Tauri τ*			
Feb. 4	...	4 34 8·77	...	67 18 19·0	M
Nov. 4	...	34 8·55	...	18 20·3	M
162		*Anon.*			
Jan. 17	9·0	4 39 32·34	...	128 57 26·8	R
Dec. 19	9·8	39 32·48	...	57 29·7	R

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Number and Date.	Magnitude.	Mean Right Ascension 1865. h.	m.	s.	No. of Wires.	Mean Polar Distance. 1865. °	′	″	Observer.
163				*Anon.*					
Jan. 10	8·6	4	40	20·13	...	151	20	50·3	M
11	9·0		40	20·19	...		20	48·6	M
164				*κ Doradûs.*					
Dec. 13	6·0	4	42	19·46	...	149	58	55·5	M
165				*Lacaille* 1629.					
Jan. 18	6·7	4	43	43·56	...	153	28	27·8	R
Dec. 22	...		43	43·68	...		28	26·6	R
166				*Lacaille* 1625.					
Feb. 6	8·1	4	45	0·52	5	140	1	43·6	M
167				*W. B. N. IV.* 995.					
Jan. 4	8·0	4	45	10·20	...	66	3	3·4	M
168				*Anon.*					
Dec. 19	9·3	4	45	30·74	...	129	24	58·0	R
169				*Anon.*					
Jan. 7	8·9	4	45	56·29	...	153	2	56·9	M
170				*W. B. N. IV.* 1018.					
Jan. 6	8·0	4	46	2·19	...	66	13	33·0	M
171				3 *Aurigae ι*					
Jan. 21	...	4	48	12·20	...	57	3	5·0	R
28			48	12·37	...		3	5·5	M
Dec. 11			48	12·18	3		3	6·8	M
172				*Anon.*					
Jan. 23	10·3	4	51	29·69	...	82	8	37·3	R
173				*Anon*					
Jan. 10	9·0	4	52	21·10	...	129	39	47·9	M
174				*Anon.*					
Jan. 9	9·6	4	52	41·91	4	150	37	48·8	M
175				*R Leporis Var.* 1.					
Jan. 25	8·9	4	53	27·72	...	105	0	42·6	R
176				*Taylor* 1797.					
Feb. 6	7·0	4	54	52·10	...	148	16	51·1	M
177				102 *Tauri ι*					
Feb. 4	...	4	55	1·84	4	68	36	23·2	M
Nov. 4	...		55	1·60	...		36	23·6	M
178				*Lacaille* 1697.					
Jan. 18	8·0	4	56	53·21	6	129	7	7·9	R
179				*Lacaille* 1705.					
Dec. 16	8·0	4	57	27·36	...	129	16	30·1	R
180				2 *Leporis ε*					
Jan. 17	...	4	59	44·81	...	112	33	16·7	R
20	...		59	44·84	...		33	18·3	R
21	...		59	44·83	...		33	17·8	R
24	...		59	44·88	...		33	18·0	R
181				*Anon.*					
Jan. 26	8·0	5	0	1·55	...	135	23	40·9	R
182				*Anon.*					
Jan. 7	9·3	5	1	45·00	3	151	36	2·9	M
19	9·3		1	45·08	4		30	5·6	R
183				*Lacaille* 1739.					
Jan. 6	8·2	5	2	32·47	...	146	57	48·5	M
184				*Lacaille* 1756.					
Jan. 28	8·0	5	3	39·90	...	151	41	26·6	M
30	8·7		3	39·94	...		41	[illegible]	R

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Number and Date.	Magnitude.	Mean Right Ascension 1865. h.	m.	s.	No. of Wires.	Mean Polar Distance 1865. °	′	″	Observer.
185				*Anon.*					
Jan. 26	9·5	5	4	36·03	4	135	34	33·6	n
186				1757 *Lacaille.*					
Jan. 9	8·0	5	4	53·29	3	150	4	20·1	M
187				*Anon.*					
Jan. 31	9·0	5	6	4·10	5	131	45	38·4	n
188				13 *Aurigae* ,α *Capella.*					
Jan. 25	...	5	6	43·14	...	44	8	36·6	n
189				*Anon.*					
Jan. 24	8·5	5	6	54·10	...	120	6	0·6	n
190				19 *Orionis* β, *Rigel.*					
Jan. 21	...	5	8	3·08	5	98	21	38·0	n
Dec. 11	...		8	3·06	...		21	37·8	M
191				*Anon.*					
Jan 18	9·3	5	12	53·86	...	120	40	2·5	n
24	9·0		12	53·66	5		40	3·3	n
Dec. 19	9·4		12	53·71	5		40	3·9	n
192				*Anon.*					
Jan. 26	9·2	5	12	57·20	5	137	4	42·5	n
30	9·2		12	57·25	...		4	43·9	n
Feb. 3	8·8		12	57·72	3		4	41·8	M
193				*Anon.*					
Jan. 28	8·1	5	13	26·14	5	153	41	37·4	M
194				*Anon.*					
Jan. 19	9·0	5	14	50·83	...	153	30	18·7	n
195				*Anon.*					
Jan 31	9·5	5	10	8·48	..	131	48	16·8	n
Feb. 4	8·8		16	8·57	...		48	16·1	M
196				*Anon.*					
Jan. 24	7·7	5	17	0·10	5	120	38	0·4	n
27	8·0		16	59·98	...		37	59·7	n
Dec. 19	8·0		17	0·08	5		37	59·5	n
197				112 *Tauri* β					
Jan. 11	...	5	17	45·36	...	61	30	37·6	M
17	...		17	45·51	...		30	36·7	n
20	...		17	45·49	...		30	35·1	n
Feb. 2	...		17	45·66	...		30	36·5	M
Dec. 23	...		17	45·47	...		30	35·6	n
198				*Taylor* 1984.					
Feb. 6	7·3	5	18	51·97	...	150	54	47·7	M
199				*Anon.*					
Jan. 10	8·0	5	19	5·64	3	148	14	16·5	M
200				114 *Tauri* ο					
Jan. 9	...	5	19	31·67	...	68	10	56·0	M
201				*Anon.*					
Jan. 26	7·5	5	21	40·32	5	137	12	50·4	n
202				*Anon.*					
Jan. 28	7·7	5	23	30·56	...	151	13	22·8	M
30	8·0		23	30·64	...		13	24·0	n
203				34 *Orionis* δ *Var* 1.					
Jan. 17	...	5	25	6·57	...	90	24	7·9	n
18	...		25	6·73	...		24	8·9	n
204				*Anon.*					
Jan. 19	8·9	5	25	13·65	...	130	35	20·4	n
Feb. 4	8·8		25	13·44	5		35	19·8	M
205				*Anon.*					
Feb. 11	9·0	5	25	33·56	5	155	51	16·4	M

Separate Results of Madras Meridian Circle Observations in 1865.

Number and Date.	Magnitude.	Mean Right Ascension 1865. h.	m.	s.	No. of Wires.	Mean Polar Distance 1865. °	′	″	Observer.
206	11 *Leporis* α								
Jan. 20	...	5	26	46·57	...	107	55	17·3	R
24	...		26	46·68	...		55	18·0	R
27	...		26	46·80	5		55	17·1	R
31	...		26	46·73	5		55	17·8	R
Feb. 2	...		26	46·58	...		55	19·1	M
207	46 *Orionis* ε								
Jan. 17	...	5	29	21·85	...	91	17	27·6	R
18	...		29	21·97	...		17	29·1	R
23	...		29	21·83	...		17	29·1	R
208	123 *Tauri* ζ								
Dec. 2	...	5	29	34·61	...	68	56	37·2	M
209	*Anon.*								
Jan. 26	9·5	5	29	47·16	5	135	22	0·6	R
Feb. 6	9·6		29	47·12	...		22	0·6	M
210	*Anon.*								
Jan. 19	8·8	5	31	39·92	...	123	42	14·7	R
211	*Lacaille* 1949.								
Jan. 23	6·1	5	33	15·77	...	154	19	2·7	M
212	*Anon.*								
Dec. 22	...	5	33	43·06	5	150	11	33·6	R
213	*Anon.*								
Jan. 19	9·1	5	33	44·01	4	123	41	15·5	R
214	*Anon.*								
Jan. 20	8·9	5	34	20·92	...	122	7	57·7	R
Feb. 8	8·7		34	20·91	...		7	56·9	M
215	α *Columbae.*								
Jan. 12	...	5	34	45·72	...	124	8	53·4	M
18	...		34	45·82	...		8	54·4	R
24	...		34	45·63	...		8	54·7	R
27	...		34	45·60	...		8	54·8	R
31	...		34	45·77	...		8	53·4	R
Feb. 3	...		34	45·78	...		8	53·3	M
9	...		34	45·69	...		8	52·8	M
10	...		34	45·74	3		8	53·6	M
216	*Lacaille* 1971.								
Feb. 15	7·8	5	36	22·25	...	149	11	30·2	M
217	*Anon.*								
Jan. 26	8·7	5	36	39·33	...	135	48	39·4	R
Feb. 4	7·9		36	39·17	...		48	37·9	M
218	*Anon.*								
Jan. 26	9·1	5	39	55·07	5	135	48	6·2	R
219	*Lacaille* 2010.								
Jan. 28	7·7	5	42	2·13	...	143	58	20·0	M
220	*Anon.*								
Jan. 19	8·5	5	43	26·71	5	130	6	55·3	R
23	9·2		43	26·74	...		6	55·6	R
24	9·3		43	26·71	...		6	56·4	R
221	*Taylor* 2184.								
Jan. 7	9·3	5	43	55·00	...	130	46	22·3	M
222	*Anon.*								
Jan. 30	9·3	5	44	45·16	...	137	10	18·3	R
223	54 *Orionis* χ¹								
Feb. 6	...	5	46	23·11	...	69	45	8·5	M
Dec. 2	...		46	23·30	...		45	11·[illegible]	M

Separate Results of Madras Meridian Circle Observations in 1865.

Number and Date.	Magnitude.	Mean Right Ascension 1865. h. m. s.	No. of Wires.	Mean Polar Distance 1865. ° ′ ″	Observer.
224		*Anon.*			
Jan. 20	9·0	5 47 3·18	...	135 46 50·2	R
225		*α Orionis Var. 2, Betelgeux.*			
Jan. 11	...	5 47 51·82	...	82 37 16·4	M
18	...	47 51·82	...	37 17·5	R
19	...	47 51·78	...	37 17·7	R
25	...	47 51·87	...	37 18·2	R
27	...	47 51·90	...	37 17·2	R
Feb. 2	...	47 51·83	...	37 16·7	M
3	...	47 51·87	...	37 16·2	M
9	...	47 51·83	...	37 15·7	M
10	...	47 51·86	...	37 17·5	M
226		*Anon.*			
Jan. 26	8·9	5 49 55·35	5	135 43 7·9	R
227		*Anon.*			
Jan. 30	9·8	5 50 15·60	5	137 10 18·5	R
228		*Lacaille* 2073.			
Feb. 14	7·9	5 50 32·11	...	137 12 38·1	M
229		*Anon.*			
Jan. 24	9·5	5 50 58·84	...	130 43 1·7	R
28	9·6	50 58·69	...	43 1·3	M
230		*R. P. L.* 43.			
Feb. 8	..	5 52 27·98	3	3 14 20·0	M
231		*Anon.*			
Jan. 23	8·8	5 53 3·51	5	130 24 57·4	R
232		*Lacaille* 2104.			
Jan. 19	7·0	5 54 22·74	5	143 26 23·9	R

Number and Date.	Magnitude.	Mean Right Ascension 1865. h. m. s.	No. of Wires.	Mean Polar Distance 1865. ° ′ ″	Observer.
233		*Anon.*			
Jan. 30	9·3	5 54 36·12	...	137 45 14·8	R
Feb. 4	9·6	54 36·25	...	45 15·7	M
234		*Anon.*			
Jan. 10	9·2	5 56 11·53	...	129 57 14·2	M
235		*Anon.*			
Jan. 26	9·3	5 57 1·11	5	136 1 0·9	R
236		67 *Orionis ν.*			
Jan. 11	...	5 59 51·82	...	75 13 8·1	M
19	...	59 51·87	...	13 8·4	R
23	...	59 51·92	...	13 7·6	R
24	...	59 51·87	...	13 8·3	R
25	...	59 51·83	...	13 8·0	R
28	...	59 51·86	...	13 9·2	M
Feb. 3	...	59 51·90	...	13 7·5	M
6	...	59 51·77	...	13 7·3	M
9	...	59 51·80	...	13 6·9	M
237		*Anon.*			
Jan. 30	7·7	6 0 52·53	...	137 28 33·9	R
Feb. 14	7·8	0 52·60	...	28 33·9	M
238		*Lalande* 11732.			
Dec. 22	8·2	6 3 26·03	...	77 58 55·9	R
239		*Anon.*			
Feb. 10	9·0	6 4 1·12	...	150 5 28·2	M
240		*Anon.*			
Jan. 26	8·0	6 4 35·21	5	136 49 40·8	R
Feb. 8	8·2	4 35·43	...	49 40·3	M
241		*Anon.*			
Dec. 21	9·0	6 5 40·90	..	77 51 30·5	R

Separate Results of Madras Meridian Circle Observations in 1865.

Number and Date.	Magnitude.	Mean Right Ascension 1865. h.	m.	s.	No. of Wires.	Mean Polar Distance 1865. °	′	″	Observer.
242		*7 Geminorum η Var. 6.*							
Jan. 9	...	6	6	43·72	...	67	27	28·9	M
10	...		6	43·86	...		27	29·1	M
243		*Anon.*							
Feb. 18	9·2	6	7	28·21	5	151	18	25·5	R
244		*Anon.*							
Jan. 30	9·0	6	7	42·21	...	137	6	25·5	R
Feb. 4	9·2		7	42·03	...		6	22·7	M
245		*Anon.*							
Feb. 17	9·2	6	8	35·15	...	155	4	30·0	R
246		*Anon.*							
Jan. 24	9·2	6	8	55·14	...	130	31	35·5	R
25	9·3		8	55·19	...		31	35·1	R
247		*Anon.*							
Jan. 28	9·4	6	11	43·80	...	152	1	50·0	R
248		*Anon.*							
Jan. 26	9·2	6	12	3·36	5	136	50	49·6	R
Feb. 14	9·2		12	3·40	...		50	50·2	M
249		*Lalande 12120.*							
Dec. 18	7·2	6	14	8·91	...	77	4	47·7	R
22	...		14	8·98	...		4	49·0	R
250		*13 Geminorum μ.*							
Jan. 9	...	6	14	47·54	...	67	25	15·5	M
10	...		14	47·60	...		25	15·6	M
23	...		14	47·58	...		25	13·2	R
26	...		14	47·63	...		25	16·7	R
30	...		14	47·53	...		25	15·4	R
Feb. 9	...		14	47·67	...		25	14·4	M
251		*Lalande 12155.*							
Dec. 21	7·2	6	15	1·74	...	77	22	3·1	R
252		*Lacaille 2273.*							
Jan. 7	7·9	6	17	3·26	5	153	58	25·3	M
253		*Anon.*							
Feb. 10	8·9	6	18	33·26	...	151	28	29·2	M
17	9·0		18	33·25	...		28	27·9	R
254		*Taylor 2485.*							
Feb. 8	7·0	6	18	34·26	...	151	16	10·4	M
18	7·5		18	34·20	4		16	12·0	R
255		*Lacaille 2286.*							
Feb. 20	7·0	6	18	48·58	...	153	45	45·3	R
256		*Anon.*							
Feb. 3	8·8	6	19	43·65	...	65	39	55·1	M
4	8·8		19	43·53	...		39	54·5	M
257		*α Argûs, Canopus.*							
Jan. 30	...	6	20	37·41	...	142	37	23·6	R
258		*Anon.*							
Jan. 13	7·2	6	21	19·96	...	128	51	32·4	R
Feb. 15	7·2		21	20·10	...		51	32·7	M
259		*Lacaille 2312*							
Feb. 14	6·8	6	23	9·61	...	153	36	37·7	M
260		*Lacaille 2321.*							
Mar. 1	7·8	6	23	29·97	3	153	20	19·7	M
261		*Lacaille 2318.*							
Mar. 3	7·7	6	26	32·44	...	132	3	15·6	M
4	7·8		26	32·38	...		3	15·3	M

Separate Results of Madras Meridian Circle Observations in 1865.

Number and Date.	Magnitude.	Mean Right Ascension 1865. h.	m.	s.	No. of Wires.	Mean Polar Distance 1865. °	′	″	Observer.
262				*Anon.*					
Jan. 13	9·0	6	27	30·33	...	128	46	0·9	R
Mar. 2	9·0		27	30·40	...		46	0·5	M
263				*Anon.*					
Feb. 20	8·1	6	28	39·98	...	151	10	2·6	R
264				*Anon.*					
Jan. 24	9·2	6	28	40·50	5	130	32	12·6	R
Feb. 17	8·9		28	40·33	...		32	11·3	R
265				*Taylor* 2589.					
Feb. 8	6·9	6	29	50·20	5	151	46	52·0	M
18	6·8		29	50·10	...		46	51·5	R
266				24 *Geminorum* γ					
Jan. 26	...	6	29	54·78	...	73	29	22·0	R
28	...		29	54·74	...		29	21·3	M
30	...		29	54·77	...		29	19·8	R
31	...		29	54·72	...		29	21·6	R
Feb. 6	...		29	54·82	...		29	20·5	M
267				*Anon.*					
Feb. 23	8·3	6	31	28·75	...	130	56	45·1	R
268				*Anon.*					
Feb. 10	8·9	6	33	33·48	...	152	27	8·4	M
269				*Anon.*					
Jan. 24	9·1	6	35	49·36	...	130	38	8·1	R
Feb. 14	9·0		35	49·42	...		38	6·9	M
270				*Anon.*					
Jan. 18	10·5	6	36	0·34	4	62	5	40·0	R
19	10·3		36	0·23	4		5	31·3	R
271				51 (*Hev.*) *Cephei.*					
Jan. 17	...	6	36	9·37	2	2	45	20·0	R
21	...		36	8·77	2		45	22·2	M
27	...		36	9·85	3		45	22·3	R
Feb. 16	...		36	9·20	5		45	22·3	R
22	...		36	8·38	3		45	20·9	R
				51 (*Hev.*) *Cephei, s.p.*					
Aug. 11	...	6	36	8·94	4	2	45	20·7	R
Sep. 1	...		36	9·48	3		45	18·6	R
272				*Anon.*					
Mar. 3	8·9	6	36	15·14	...	130	21	3·4	M
273				*Taylor* 2652.					
Feb. 15	6·8	6	36	33·84	...	151	24	55·3	M
274				31 *Geminorum* ξ					
Feb. 6	.	6	37	42·66	...	76	57	43·6	M
275				*Anon.*					
Feb. 17	9·5	6	37	53·72	...	153	20	30·7	R
276				*Lacaille* 2451.					
Mar. 4	8·3	6	38	11·15	...	155	57	46·4	M
277				*Taylor* 2667.					
Jan. 31	8·3	6	38	23·73	5	148	50	44·7	R
278				*Anon.*					
Jan. 13	9·5	6	39	9·43	...	131	3	30·2	R
279				9 *Canis Majoris* α, *Sirius.*					
Feb. 3	...	6	39	11·81	...	106	32	1·3	M
23	...		39	11·75	...		32	1·7	R

Separate Results of Madras Meridian Circle Observations in 1865.

Number and Date.	Magnitude.	Mean Right Ascension. 1865. h. m. s.	No. of Wires.	Mean Polar Distance 1865. ° ′ ″	Observer.
280		*Anon.*			
Feb. 8	9·2	6 40 29·65	...	134 13 35·9	M
25	9·3	40 29·97	..	13 36·5	R
281		*Anon.*			
Mar. 7	9·1	6 40 32·86	5	151 58 54·8	M
282		*Anon.*			
Feb. 20	8·3	6 42 25·49	4	130 56 59·2	R
283		*Anon.*			
Jan. 25	8·7	6 42 39·04	5	130 36 25·3	R
Feb. 4	7·7	42 38·99	...	36 26·0	M
284		*Anon.*			
Feb. 20	9·2	6 42 39·06	4	130 58 8·6	R
285		*Anon.*			
Feb. 10	7·7	6 43 42·96	...	128 30 28·3	M
17	7·7	43 42·75	5	30 28·0	M
21	8·0	43 42·66	6	30 28·3	R
286		*Anon.*			
Feb. 21	9·3	6 44 51·34	4	128 30 31·8	R
287		*Anon.*			
Feb. 23	9·4	6 45 0·13	...	106 32 48·5	R
288		*α Pictoris.*			
Feb. 14	5·5	6 46 48·43	4	151 47 50·8	M
289		*Lacaille* 2516.			
Jan. 13	8·0	6 48 25·40	...	130 31 45·7	R
25	8·8	48 25·43	5	31 42·0	R
290		*Anon.*			
Feb. 23	9·0	6 48 30·91	5	128 48 28·5	R
291		*Anon.*			
Feb. 20	9·3	6 48 52·64	5	130 10 19·4	R
292		*Anon.*			
Feb. 25	9·0	6 48 56·41	4	128 46 7·2	R
293		*Lacaille* 2538.			
Jan. 21	8·0	6 51 20·28	...	114 47 39·1	R
Feb. 15	6·9	51 20·30	...	47 36·5	M
294		*Anon.*			
Mar. 1	9·9	6 52 47·90	...	152 54 26·2	M
295		21 *Canis Majoris* ε			
Jan. 12	...	6 53 19·22	...	118 47 27·2	M
23	...	53 19·16	...	47 27·1	R
26	...	53 19·19	...	47 27·3	R
Feb. 4	...	53 19·27	...	47 26·6	M
8	...	53 19·30	...	47 26·0	M
16	...	53 19·26	...	47 26·5	R
296		*Anon.*			
Feb. 22	8·0	6 55 37·35	5	129 37 59·2	R
28	8·0	55 37·45	...	38 0·0	M
297		43 *Geminorum* ζ² *Var.* 1.			
Jan. 11	...	6 56 6·07	...	69 14 7·5	M
298		*Anon.*			
Feb. 25	9·0	6 56 23·20	...	129 17 26·5	R
Mar. 9	8·9	56 23·18	5	17 26·0	M
299		23 *Canis Majoris* γ			
Jan. 13	...	6 57 30·16	5	105 36 11·1	R
25	...	57 30·08	...	36 11·6	R
26	...	57 30·05	...	36 11·7	R
30	...	57 30·14	...	36 11·1	R
Feb. 4	...	57 29·98	...	36 10·7	M

Separate Results of Madras Meridian Circle Observations in 1865.

Number and Date.	Magnitude.	Mean Right Ascension 1865. h.	m.	s.	No. of Wires.	Mean Polar Distance 1865. °	′	″	Observer.
Feb. 8	...	6	57	39·10	5	105	26	10·8	M
10	...		57	39·02	...		26	10·9	M
14	...		57	39·14	...		26	10·3	M
16	...		57	39·10	...		26	10·4	R
17	...		57	39·08	...		26	12·1	R
300		*Taylor* 2840.							
Jan. 6	7·9	6	59	3·58	...	105	56	56·4	M
Feb. 21	8·0		59	3·55	...		56	55·7	R
Mar. 3	8·0		59	3·70	...		56	56·8	M
301		*R Geminorum Var.* 2.							
Jan 23	8·8	6	59	13·31	5	67	5	31·8	R
302		*Anon.*							
Mar. 10	7·5	7	1	1·56	5	140	10	0·8	M
303		*R Canis Minoris Var.* 1.							
Feb. 20	9·7	7	1	17·19	5	79	45	56·5	R
304		*Anon.*							
Feb. 22	8·8	7	1	31·44	5	129	39	17·6	R
305		*Anon.*							
Feb 15	9·0	7	2	55·83	5	141	24	10·6	M
18	9·2		2	55·78	...		24	11·0	R
306		*Anon.*							
Feb. 25	8·7	7	3	25·79	...	130	14	36·4	R
Mar. 1	8·6		3	25·65	...		14	36·0	M
307		*Anon.*							
Mar. 4	9·4	7	5	2·70	...	153	32	14·5	M
308		*Lacaille* 2678.							
Jan. 13	9·0	7	6	11·70	5	148	9	21·2	R
309		*Taylor* 2923.							
Feb. 21	8·0	7	7	17·23	...	150	21	25·4	R
Mar. 11	8·2		7	17·35	...		21	25·2	M
310		*Anon.*							
Feb. 20	8·0	7	8	0·49	...	148	46	7·9	R
311		*Anon.*							
Feb. 10	8·9	7	8	10·02	...	152	5	8·2	M
312		*Anon.*							
Feb. 25	9·0	7	8	55·78	...	130	17	24·3	R
313		*Lacaille* 2696.							
Feb. 17	7·8	7	9	23·61	...	140	58	58·3	R
314		*Taylor* 2940.							
Feb. 18	7·7	7	9	30·28	...	129	57	48·7	R
23	7·5		9	30·24	...		57	49·4	R
315		*Anon.*							
Feb. 28	9·5	7	9	48·13	4	130	18	38·9	M
316		55 *Geminorum* δ							
Jan. 10	4	7	12	3·30	4	67	46	22·3	M
11	...		12	3·54	...		46	21·8	M
13	...		12	3·38	...		46	21·3	R
28	...		12	3·51	...		46	23·3	M
30	...		12	3·52	...		46	21·7	R
Feb. 2	...		12	3·42	...		46	21·5	M
6	...		12	3·56	...		46	21·6	M
8	...		12	3·43	...		46	21·1	M
14	...		12	3·49	...		46	20·7	M
15	...		12	3·38	...		46	20·7	M
16	...		12	3·46	...		46	21·3	R
317		*Anon.*							
Mar. 3	8·3	7	12	36·00	...	152	48	2·1	M

Separate Results of Madras Meridian Circle Observations in 1865.

Number and Date.	Magnitude.	Mean Right Ascension 1865. h.	m.	s.	No. of Wires.	Mean Polar Distance. 1865. °	′	″	Observer.
318	*Taylor* 3005.								
Feb. 20	7·7	7	15	29·99	...	149	1	0·0	n
319	*R. P. L.* 45								
Mar. 2	...	7	16	32·78	2	0	59	11·6	x
320	*Lacaille* 2805.								
Jan. 21	9·0	7	17	22·15	3	153	8	13·5	n
321	*Anon.*								
Feb. 25	9·3	7	17	38·99	...	129	46	16·1	n
Mar. 6	9·3		17	38·84	...		46	17·7	x
322	*Anon.*								
Feb. 16	9·8	7	18	49·97	5	69	15	35·1	n
323	63 *Geminorum.*								
Mar. 7	5·8	7	19	43·39	...	63	16	55·2	x
324	*Anon.*								
Feb. 10	9·0	7	19	50·11	...	152	35	44·7	x
Mar. 4	9·5		19	50·07	...		35	42·4	x
325	*Taylor* 3054.								
Jan. 31	7·8	7	20	2·80	...	151	41	35·2	n
326	*Anon.*								
Feb. 21	8·0	7	21	36·00	..	131	50	33·5	n
327	*Anon.*								
Feb. 25	8·8	7	23	29·61	...	129	45	24·7	n
28	8·2		23	29·65	...		45	25·4	x
328	*Anon.*								
Feb. 18	9·8	7	23	37·00	...	42	0	54·0	n
329	*Anon.*								
Feb. 22	8·0	7	23	55·73	...	129	10	12·3	n
330	*Anon.*								
Mar. 3	9·4	7	24	9·78	...	132	47	21·6	x
331	*Anon.*								
Jan. 25	9·6	7	24	46·12	5	130	0	38·9	n
332	*Anon.*								
Jan. 17	9·0	7	24	48·87	2	121	0	29·8	n
Feb. 3	9·0		24	48·77	...		0	27·9	x
333	*Anon.*								
Jan. 21	9·0	7	25	0·77	...	123	8	26·5	n
334	*S Canis Minoris, Var.* 2.								
Jan. 13	...	7	25	23·51	...	81	23	48·2	n
19	9·1		25	23·51	...		23	49·8	n
335	*Anon.*								
Mar. 9	8·0	7	25	29·00	3	129	18	12·7	x
336	66 *Geminorum* α¹, *Castor.*								
Jan. 14	...	7	25	59·00	...	57	49	9·1	x
Feb. 11	...		25	58·81	...		49	8·0	x
15	...		25	58·90	...		49	7·9	x
20	...		25	58·88	...		49	8·6	n
23	...		25	58·90	...		49	8·6	n
Mar. 1	...		25	58·82	...		49	10·3	x
337	*Anon.*								
Mar. 6	9·6	7	26	39·32	5	129	45	7·9	x
338	*Anon.*								
Jan. 27	9·2	7	27	14·08	...	133	10	53·4	n

Separate Results of Madras Meridian Circle Observations in 1865.

Number and Date.	Magnitude.	Mean Right Ascension 1865. h.	m.	s.	No. of Wires.	Mean Polar Distance 1865. °	′	″	Observer.
339				*Anon.*					
Feb. 25	8·0	7	27	58·21	...	129	42	51·9	R
340				*Anon.*					
Feb. 21	9·5	7	30	42·43	...	158	42	28·1	R
341				*Anon.*					
Feb. 22	9·0	7	31	6·87	6	131	10	41·3	R
Mar. 4	8·9		31	6·84	...		10	41·7	M
342				*Anon.*					
Feb. 28	8·1	7	31	56·62	...	129	44	0·7	M
Mar. 3	8·8		31	56·34	...		44	1·2	M
343			10 *Canis Minoris* α, *Procyon.*						
Jan. 12	.	7	32	14·11	...	84	25	55·3	M
13	...		32	13·95	...		25	55·2	M
14	...		32	14·05	...		25	55·6	M
Feb. 4	...		32	14·08	...		25	55·4	M
14	...		32	14·07	...		25	54·2	M
15	..		32	13·98	...		25	55·5	M
16	...		32	13·98	...		25	55·4	R
18	...		32	14·02	...		25	55·7	R
23	...		32	14·11	...		25	58·0	R
Mar. 1	...		32	14·10	3		25	56·1	M
344				*Lacaille* 2893.					
Feb. 20	7·0	7	32	45·83	...	121	49	34·5	R
345				*Anon.*					
Jan. 27	9·6	7	33	6·59	4	153	11	46·7	R
Mar. 9	9·1		33	6·61	...		11	46·7	M
346				*Anon.*					
Jan. 24	10·3	7	34	34·19	4	68	25	7·5	R
26	10·3		34	34·23	5		25	5·7	R
347			*S Geminorum Var.* 3						
Jan. 31	10·5	7	34	37·43	5	16	12	30·3	R
Feb. 17	10·5		34	37·60	4		12	31·2	R
348				*Anon.*					
Feb. 25	8·3	7	35	8·93	...	129	57	59·3	R
Mar. 6	8·1		35	8·71	5		58	0·1	M
349				*Anon.*					
Mar. 10	8·9	7	35	20·89	...	152	59	43·6	M
350				*Taylor* 3195					
Mar. 11	8·0	7	36	34·66	...	150	19	13·8	M
351				*Anon.*					
Feb. 25	7·3	7	36	46·54	5	129	57	25·5	R
Mar. 2	7·7		36	46·26	...		57	26·0	M
352			78 *Geminorum* β, *Pollux.*						
Jan. 12	...	7	37	3·06	...	61	39	5·9	M
14	...		37	3·06	..		39	4·2	M
Feb. 3	...		37	3·04	...		39	3·8	M
4	...		37	3·06	...		39	4·5	M
15	...		37	3·22	...		39	3·5	M
18	...		37	3·02	...		39	4·2	R
23	...		37	3·08	...		39	4·6	R
24	...		37	3·02	...		39	3·8	R
Mar. 1	...		37	3·06	...		39	3·4	M
353				*Anon.*					
Jan. 21	10·3	7	37	24·89	3	68	29	51·7	R
354				*Anon.*					
Feb. 22	8·8	7	37	35·35	...	130	58	11·8	R
355				*Anon.*					
Feb. 21	7·7	7	37	48·71	5	128	53	1·6	R

Separate Results of Madras Meridian Circle Observations in 1865.

Number and Date.	Magnitude.	Mean Right Ascension 1865. h.	m.	s.	No. of Wires.	Mean Polar Distance 1865. °	′	″	Observer.
356 *Anon.*									
Mar. 4	7·0	7	39	7·60	...	131	8	46·0	M
357 *Anon.*									
Jan. 13	8·8	7	41	19·39	...	131	34	38·6	R
Mar. 3	8·7		41	19·15	...		34	39·5	M
358 *Anon.*									
Feb. 28	8·5	7	42	4·81	...	153	4	30·7	M
359 *Lacaille* 3034.									
Feb. 18	8·0	7	44	5·60	...	153	51	48·5	R
360 *Anon.*									
Feb. 22	9·1	7	44	12·05	...	130	56	9·1	R
Mar. 6	8·9		44	11·88	...		56	10·7	M
361 *Brisbane* 1791.									
Feb. 20	7·8	7	46	19·90	6	144	21	46·4	R
362 *Anon.*									
Feb. 20	8·8	7	46	30·77	6	144	22	35·1	R
363 *Anon.*									
Mar. 4	8·5	7	47	6·87	...	153	20	55·8	M
364 *Anon.*									
Jan. 19	10·7	7	47	13·22	3	67	49	57·7	R
365 *Taylor* 3310.									
Feb. 28	9·0	7	48	33·67	5	149	19	2·8	R
366 *Anon.*									
Mar. 2	9·6	7	48	44·65	...	129	51	58·5	M
367 1 *Cancri.*									
Feb. 8	...	7	49	19·81	...	73	31	7·3	M
368 *Anon.*									
Mar. 11	7·1	7	49	30·25	...	152	35	4·5	M
369 *Anon.*									
Feb. 24	8·2	7	49	53·49	...	129	17	31·1	R
370 *Anon.*									
Feb. 21	7·7	7	49	56·67	...	149	8	37·3	R
371 *Anon.*									
Mar. 3	9·3	7	51	30·78	...	151	37	3·7	M
372 *Anon.*									
Feb. 3	8·0	7	52	1·97	4	148	22	34·7	M
Mar. 1	8·2		52	2·01	4		22	33·4	M
373 6 *Cancri.*									
Jan. 14	...	7	55	13·32	...	61	49	49·4	M
27	...		55	13·33	...		49	51·8	R
Feb. 18	...		55	13·42	...		49	49·6	R
23	...		55	13·31	...		49	50·1	R
25	...		55	13·36	...		49	49·9	R
28	...		55	13·26	...		49	49·3	M
Mar. 10	...		55	13·47	...		49	48·0	M
16	...		55	13·37	...		49	49·3	R
374 *Brisbane* 1855.									
Mar. 6	6·8	7	55	28·87	...	152	55	57·9	M
375 *Anon.*									
Mar. 7	9·2	7	57	40·48	...	156	21	20·2	M
376 *Lacaille* 3154.									
Mar. 8	8·5	7	58	37·28	...	153	11	30·5	M
9	8·7		58	37·73	5		11	[illegible]	M

Separate Results of Madras Meridian Circle Observations in 1865.

Number and Date.	Magnitude.	Mean Right Ascension 1865. h.	m.	s.	No. of Wires.	Mean Polar Distance 1865. °	′	″	Observer.
377				*Anon.*					
Jan. 19	10·7	8	0	18·42	3	78	29	52·5	R
26	10·7		0	18·71	3		29	51·6	R
378				*Anon.*					
Mar. 4	8·9	8	1	23·81	...	150	31	32·3	M
379				*Lacaille* 3174.					
Mar. 1	7·9	8	1	26·22	...	155	38	5·5	M
11	8·0		1	26·29	...		38	6·5	M
380				15 *Argûs.*					
Feb. 21	...	8	1	47·67	...	113	55	2·9	R
24	...		1	47·75	...		55	2·1	R
25	...		1	47·81	...		55	2·6	R
Mar. 10	...		1	47·75	...		55	1·3	M
16	...		1	47·76	...		55	2.1	R
18	...		1	47·69	..		55	2·5	R
381				*Anon.*					
Feb. 23	9·0	8	2	14·12	...	128	39	37·1	R
382				16 *Cancri* 3					
Jan. 11	5·5	8	4	28·08	...	71	56	54·8	M
12	5·5		4	28·07	...		56	54·4	M
383				*Anon.*					
Mar. 2	9·7	8	4	33·28	...	154	40	44·2	M
384				*Anon.*					
Feb. 23	9·6	8	5	39·36	...	128	38	57·1	R
385				*Anon.*					
Mar. 20	8·0	8	6	5·87	5	128	40	43·6	R
386				*Anon.*					
Feb. 23	9·3	8	8	36·24	...	128	38	34·4	R
Mar. 20	9·3		8	36·08	5		38	35·6	R
387				*R Cancri Var.* 1.					
Jan. 25	7·5	8	9	7·06	...	77	51	44·3	R
Feb. 17	7·7		9	7·08	...		51	43·7	R
388				*Anon.*					
Jan. 24	9·2	8	9	27·79	5	74	16	13·5	R
389				*W. B. N. VIII.* 178.					
Jan. 24	9·6	8	9	38·75	4	74	16	26·2	R
390				*Anon.*					
Mar. 3	9·6	8	10	19·94	...	150	32	49·8	M
4	9·1		10	20·01	5		32	49·9	M
391				*Anon.*					
Mar. 6	9·3	8	10	27·32	...	151	26	28·7	M
392				*Anon.*					
Feb. 15	8·9	8	11	23·26	...	152	4	41·0	M
24	8·7		11	23·37	5		4	42·9	R
393				*Anon.*					
Mar. 11	8·5	8	13	22·82	...	131	41	24·8	M
394				*Anon.*					
Mar. 18	9·5	8	14	31·53	3	154	5	17·7	R
395				*Anon.*					
Mar. 9	8·1	8	14	52·01	...	143	17	7·0	M
23	8·2		14	52·07	..		17	6·0	R
396				*Lacaille* 3297.					
Jan 31	8·0	8	15	1·97	3	153	50	1·4	R
Mar. 1	8·4		15	1·98	...		50	2·3	M

Separate Results of Madras Meridian Circle Observations in 1865.

Number and Date.	Magnitude.	Mean Right Ascension 1865. h.	m.	s.	No. of Wires.	Mean Polar Distance 1865. °	′	″	Observer.
397			20 *Cancri* d[1]						
Mar. 7	...	8	15	37·82	...	71	14	14·0	M
398			*Anon.*						
Feb. 22	9·5	8	16	29·01	...	77	31	59·3	R
399			*Anon.*						
Feb. 18	8·8	8	17	25·74	6	77	49	19·5	R
400			*Anon.*						
Mar. 4	9·7	8	17	59·48	5	154	22	53·9	M
22	...		17	59·82	3		22	51·9	R
401			*Anon.*						
Jan. 21	9·8	8	18	38·79	...	70	2	9·8	R
26	9·8		18	38·85	4		2	11·7	R
402			*Anon.*						
Mar. 3	9·7	8	18	47·77	...	151	0	56·2	M
21	9·6		18	48·10	5		0	55·5	R
403			*Taylor* 3599.						
Mar. 10	8·0	8	20	18·26	5	144	52	57·1	M
404			*W. B. N. VIII.* 459.						
Jan. 31	8·2	8	20	20·45	5	74	27	31·4	R
405			*Anon.*						
Jan. 27	9·0	8	21	5·05	5	153	18	20·1	R
406			29 *Cancri.*						
Jan. 11	6·0	8	21	5·14	...	73	20	43·2	M
12	6·0		21	5·30	...		20	41·7	M
Mar. 7	6·2		21	5·17	...		20	41·7	M
407			*Anon.*						
Mar. 11	8·0	8	21	32·27	5	131	41	47·0	M
23	8·0		21	32·20	.		41	46·6	R
408			*Taylor* 3620.						
Feb. 18	7·9	1	23	12·90	...	130	47	50·7	R
409			*Anon.*						
Mar. 24	8·3	8	23	34·49	...	128	38	46·5	R
410			33 *Cancri* η						
Feb. 17	...	8	24	53·85	...	69	6	11·9	R
21	...		24	53·91	5		6	11·7	R
22	...		24	53·87	...		6	11·3	R
24	...		24	53·88	...		6	10·4	R
27	...		24	53·87	...		6	11·5	R
28	...		24	53·85	...		6	10·2	R
Mar. 2	...		24	53·88	...		6	10·2	M
6	...		24	53·78	...		6	11·2	M
16	...		24	53·89	..		6	11·5	R
17	...		24	53·77	...		6	11·0	R
411			*Taylor* 3651.						
Mar. 25	7·8	8	25	41·92	5	130	3	32·7	R
412			*Taylor* 3652.						
Mar. 25	8·0	8	25	46·10	3	130	2	52·1	R
413			*Anon.*						
Jan. 30	9·0	8	28	42·30	...	73	19	20·6	R
Mar. 20	...		28	42·26	...		19	19·4	R
414			*W. B. N. VIII.* 654.						
Mar. 11	8·7	8	29	4·22	5	70	39	6·6	M
18	8·7		29	4·33	5		39	7·4	R
415			*Lacaille* 3430.						
Mar. 9	7·9	8	29	14·00	5	151	52	53·7	M
22	8·0		29	13·83	5		52	51·8	R
Apl. 1	7·9		29	13·72	4		52	52·7	M

Separate Results of Madras Meridian Circle Observations in 1865.

Number and Date.	Magnitude.	Mean Right Ascension 1865. h.	m.	s.	No. of Wires.	Mean Polar Distance 1865. °	′	″	Observer.
416	*W. B. N. VIII.* 699.								
Mar. 18	9·6	8	20	34·37	4	70	30	49·9	R
417	*Anon.*								
Jan. 31	8·0	8	31	14·75	5	129	45	37·0	R
418	*Taylor* 3710.								
Feb. 17	8·0	8	31	26·01	5	141	21	17·5	R
419	*Anon.*								
Mar. 27	9·0	8	33	11·82	..	129	23	40·3	R
420	*Anon.*								
Mar. 4	8·6	8	34	9·35	...	154	20	37·7	M
21	9·0		34	9·41	...		20	34·5	R
Apl. 3	8·8		34	9·28	4		20	38·3	M
421	*Anon.*								
Jan 31	7·8	8	34	41·72	...	129	46	25·1	R
422	*Lacaille* 3491.								
Jan. 12	7·9	8	36	2·46	5	152	22	2·7	M
423	*b Velorum.*								
Mar. 1	5·8	8	36	8·78	3	136	10	12·7	M
22	5·5		36	8·92	...		10	12·3	R
424	*Taylor* 3767.								
Feb 18	7·2	8	36	21·27	...	149	50	28·7	R
425	47 *Cancri* δ								
Feb. 8	...	8	37	0·41	4	71	21	6·7	M
9	...		37	0·34	...		21	7·3	M
426	*Anon.*								
Mar 18	9·2	8	37	18·16	5	136	8	45·3	R
25	9·3		37	18·15	5		8	46·3	R
427	*Anon.*								
Mar. 6	8·2	8	37	52·45	4	136	5	47·3	M
428	50 *Cancri* A[2]								
Apl. 5	6·2	8	39	32·00	..	77	23	48·7	M
429	11 *Hydrae*, ε								
Feb. 13	...	8	39	37·47	...	83	5	18·6	M
17	...		39	37·50	...		5	18·4	R
20	...		39	37·44	...		5	18·0	R
21	...		39	37·50	...		5	18·3	R
22	...		39	37·51	...		5	18·5	R
24	...		39	37·53	...		5	17·9	R
25	...		39	37·48	...		5	18·1	R
27			39	37·46	...		5	16·0	R
28			39	37·63	...		5	17·9	M
Mar. 2	...		39	37·40	...		5	17·3	M
3	...		39	37·50	...		5	19·0	M
7	...		39	37·43	...		5	17·9	M
9	.		39	37·48	...		5	18·3	M
10	...		39	37·43	...		5	17·8	M
16	...		39	37·47	...		5	17·6	R
17	...		39	37·39	...		5	17·4	R
20	...		39	37·47	...		5	17·6	R
430	*Anon.*								
Mar. 28	8·6	8	40	31·66	5	129	15	46·7	R
431	*Anon.*								
Mar 11	8·0	8	41	3·30	...	147	16	57·1	M
23	9·2		41	3·18	...		16	54·5	R
432	*Lacaille* 3534.								
Mar. 28	8·0	8	42	19·54	...	129	18	19·3	R
433	*Anon.*								
Mar. 22	9·3	8	42	57·67	...	136	10	43·3	R
Apl. 4	9·3		42	57·51	5		10	41·8	M

Separate Results of Madras Meridian Circle Observations in 1865.

Number and Date.	Magnitude.	Mean Right Ascension 1865. h.	m.	s.	No. of Wires.	Mean Polar Distance 1865. °	′	″	Observer.
434				*Lacaille* 3573.					
Mar. 4	8·0	8	44	14·12	...	152	41	39·2	M
21	8·0		44	14·17	5		41	38·0	R
435				*Anon.*					
Mar. 25	9·0	8	45	49·98	...	86	27	25·5	R
436				*Anon.*					
Mar. 1	7·9	8	46	46·27	...	132	53	28·7	M
23	8·3		46	46·15	5		53	27·7	R
437				*Anon.*					
Mar. 22	8·0	8	46	58·08	...	136	6	15·5	R
27	8·3		46	57·92	...		6	15·9	R
438				*Anon.*					
Feb. 27	9·0	8	47	42·12	...	132	56	9·0	R
Mar. 23	9·2		47	42·21	4		56	6·9	R
439				*Anon.*					
Feb. 13	7·9	8	48	46·84	...	133	1	22·2	M
Mar. 29	8·0		48	46·72	5		1	23·1	R
Apl. 6	...		48	47·00	5		1	22·0	M
440				*T Cancri Var* 3.					
Feb. 16	8·7	8	48	57·18	...	69	38	12·7	R
Mar. 30	8·2		48	57·28	...		38	12·4	R
441				*Anon.*					
Feb. 21	8·0	8	49	15·68	5	132	54	32·8	R
442				*Anon.*					
Mar. 24	7·9	8	49	22·19	3	132	59	13·7	R
443				9 *Ursæ Majoris* ι					
Mar. 18	...	8	49	56·80	...	41	25	51·2	R
20	R		49	56·98	5		25	50·6	R
444				*Anon.*					
Feb. 27	7·8	8	50	17·50	5	132	57	9·3	R
Mar. 6	8·3		50	17·31	...		57	10·3	M
445				65 *Cancri* α					
Jan. 12	...	8	51	6·23	...	77	37	20·5	M
13	...		51	5·99	5		37	19·7	R
Feb. 8	...		51	6·27	..		37	19·3	M
Mar. 9	...		51	6·03	6		37	19·4	M
446				*Anon.*					
Mar. 11	9·7	8	51	23·87	5	117	15	46·1	M
447				*Anon.*					
Apl. 7	9·3	8	31	56·95	...	137	24	54·5	M
448				*Anon.*					
Feb. 27	8·1	8	53	59·62	...	132	55	51·6	R
449				*Anon.*					
Mar. 27	8·9	8	54	11·62	4	142	41	23·0	R
450				*Anon.*					
Feb. 11	8·8	8	54	59·34	4	142	49	11·1	M
Mar. 30	8·3		54	59·51	4		49	12·5	R
451				*Anon.*					
Mar. 21	9·6	8	56	21·27	5	146	51	14·0	R
28	9·5		56	21·28	...		51	14·9	R
452				*Anon.*					
Feb. 17	8·1	8	56	38·97	...	146	46	17·0	R
24	8·0		56	39·08	...		46	17·8	R
Mar. 23	8·5		56	38·96	...		46	16·5	R
453				*Anon.*					
Feb. 23	8·7	8	56	41·19	6	146	53	57·9	R

Separate Results of Madras Meridian Circle Observations in 1865.

Number and Date.	Magnitude.	Mean Right Ascension 1865. h.	m.	s.	No. of Wires.	Mean Polar Distance 1865. °	′	″	Observer.
454				*Anon.*					
Mar. 18	8·6	8	56	56·32	5	146	35	49·6	R
455				*Anon.*					
Feb. 17	9·2	8	58	7·30	4	146	49	57·5	R
Mar. 28	8·9		58	7·14	5		49	56·6	R
456				*Anon.*					
Mar. 7	9·0	8	58	11·10	...	146	18	37·9	M
457				76 *Cancri* κ.					
Jan. 12	...	9	0	25·98	...	78	47	29·0	M
13	...		0	25·93	5		47	26·7	R
458				*Anon.*					
Mar. 27	8·5	9	1	4·97	5	150	1	45·2	R
Apl. 10	8·0		1	5·21	5		1	46·9	M
459				*Anon.*					
Mar. 21	8·8	9	1	52·45	...	128	57	23·6	R
460				*Lacaille* 3705.					
Mar. 29	7·8	9	2	15·16	...	151	17	17·8	R
Apl. 1	7·4		2	15·28	..		17	19·2	M
461				*Anon.*					
Feb. 27	9·0	9	3	59·36	5	132	47	59·0	R
Mar. 22	9·0		3	59·36	4		47	59·0	R
462				*Anon.*					
Mar. 31	7·7	9	5	33·14	5	138	44	27·4	R
463				*Anon.*					
Jan. 14	9·0	9	6	32·83	5	138	41	46·0	M
464				82 *Cancri* π[2]					
Mar. 9	6·0	9	7	46·40	...	74	30	2·8	M
465				*Lacaille* 3747.					
Feb. 6	8·5	9	7	46·69	...	150	24	5·1	M
466				*Anon.*					
Mar. 27	10·0	9	9	28·14	5	73	52	56·6	R
467				*Lacaille* 3774.					
Feb. 10	8·9	9	9	55·05	...	157	10	0·5	M
16	8·7		9	54·73	...		9	58·7	R
Mar. 25	8·7		9	54·98	...		9	58·9	R
468				*Cancri* 83.					
Feb. 11	...	9	11	26·61	5	71	43	27·8	M
20	...		11	26·56	...		43	28·8	R
22	...		11	26·61	...		43	29·0	R
27	...		11	26·48	...		43	27·0	R
Mar. 2	...		11	26·57	...		43	28·5	M
3	...		11	26·59	..		43	28·4	M
11	...		11	26·56	...		43	28·2	M
17	...		11	26·55	..		43	28·9	R
18	...		11	26·49	...		43	28·9	R
20	...		11	26·54	3		43	28·4	R
Apl. 1	...		11	26·63	...		43	28·8	M
4	..		11	26·65	3		43	28·2	M
469				*Anon.*					
Jan. 12	8·0	9	13	6·92	4	72	18	12·6	M
470				ι *Argûs.*					
Mar. 22	...	9	13	28·63	...	148	42	37·1	R
31	...		13	28·54	.		42	36·7	R
471				*Anon.*					
Mar. 24	9·0	9	15	17·47	...	143	48	53·2	R
472				*Anon.*					
Mar. 28	9·3	9	15	59·98	6	25	4	40·9	R
30	9·2		16	0·00	·5		4	41·2	R

Separate Results of Madras Meridian Circle Observations in 1865.

Number and Date.	Magnitude.	Mean Right Ascension 1865. h.	m.	s.	No. of Wires.	Mean Polar Distance 1865. °	′	″	Observer.
473		*Anon.*							
Mar. 25	9·2	9	16	19·88	5	139	1	17·5	R
474		*Anon.*							
Mar. 1	9·2	9	17	35·89	5	73	5	44·6	M
21	9·7		17	36·08	4		5	42·0	R
27	9·7		17	35·89	4		5	41·7	R
475		*O. A. N.* 9881.							
Mar. 28	8·8	9	17	42·62	5	25	3	59·0	R
30	9·0		17	42·60	5		3	58·8	R
476		*Anon.*							
Jan. 14	7·8	9	19	32·37	...	75	6	46·1	M
477		*Anon.*							
Apl. 7	8·1	9	20	26·81	...	137	28	12·8	M
478		*Anon.*							
Feb. 9	9·0	9	20	52·11	...	158	38	29·1	M
Mar. 29	9·0		20	52·08	5		38	29·2	R
479		30 *Hydrae* α *Var.* 2.							
Feb. 13	...	9	20	57·18	...	98	4	31·9	M
20	...		20	57·17	...		4	31·5	R
Mar. 3	...		20	57·08	...		4	33·2	M
4	...		20	57·17	...		4	31·2	M
6	...		20	57·23	...		4	32·0	M
11	...		20	57·09	...		4	31·2	M
13	...		20	57·03	...		4	30·7	M
17	R		20	57·24	...		4	30·1	R
18	...		20	57·13	...		4	32·0	R
20	...		20	57·15	...		4	31·4	R
Apl. 5	...		20	57·22	...		4	31·8	M
480		*Lacaille* 3853.							
Apl. 4	8·0	9	22	34·35	...	131	59	32·3	M
481		25 *Ursae Majoris* θ							
Mar. 22	...	9	23	48·66	...	37	42	35·1	R
482		*Anon.*							
Mar. 29	9·6	9	24	21·34	5	158	41	1·7	R
483		*Lacaille* 3886.							
Mar. 25	8·7	9	24	45·35	...	141	50	4·1	R
484		*Lacaille* 3887.							
Mar. 24	7·8	9	24	57·13	...	140	0	49·1	R
485		*Anon.*							
Mar. 27	9·0	9	26	44·09	...	145	2	41·4	R
486		*Anon.*							
Mar. 30	9·2	9	26	57·36	...	144	58	24·9	R
487		*Taylor* 4222.							
Mar. 7	8·0	9	27	46·79	5	146	23	36·6	M
Apl. 6	8·0		27	46·54	...		23	37·0	M
488		*Anon.*							
Feb. 27	9·0	9	28	1·00	...	128	46	9·4	R
489		*Taylor* 4226.							
Mar. 28	7·3	9	28	30·48	...	146	29	48·4	R
490		*Anon.*							
Apl. 7	9·4	9	29	34·64	5	146	33	51·7	M
491		10 *Leonis.*							
Feb. 9	5·5	9	30	4·86	2	82	33	38·5	M
10	5·5		30	4·78	...		33	39·3	M

Separate Results of Madras Meridian Circle Observations in 1865.

Number and Date.	Magnitude.	Mean Right Ascension 1865. h.	m.	s.	No. of Wires.	Mean Polar Distance 1865. °	′	″	Observer.
492				*Anon.*					
Feb. 25	8·0	9	32	56·56	...	120	47	52·7	R
Mar. 6	8·5		32	56·45	...		47	51·4	M
493				14 *Leonis* ∘					
Jan. 13	...	9	33	56·52	...	79	29	43·1	R
14	...		33	56·45	...		29	43·7	M
494				*Lacaille* 3980.					
Feb. 14	8·8	9	34	32·36	...	148	34	2·4	M
18	8·0		34	32·33	...		34	2·6	R
495				*Anon.*					
Mar. 24	9·0	9	34	46·28	...	130	34	55·8	R
Apl. 3	8·6		34	46·40	...		34	57·7	M
496				*Taylor* 4280.					
Mar. 27	7·8	9	34	46·43	...	142	19	59·9	R
497				*Anon.*					
Feb. 16	8·0	9	34	53·34	5	151	56	49·9	R
17	8·9		34	53·51	5		56	49·7	R
Mar. 30	9·0		34	53·50	...		56	51·2	R
498				*Anon.*					
Feb. 16	8·0	9	35	35·43	5	151	56	40·8	R
17	8·0		35	35·64	5		56	40·8	R
Mar. 30	9·0		35	35·49	5		56	41·2	R
499				17 *Leonis* ∘					
Feb. 11	...	9	38	11·06	...	65	36	21·5	M
22	...		38	10·94	...		36	22·4	R
Mar. 2	...		38	10·98	...		36	22·7	M
3	...		38	10·90	...		36	23·2	M
4	...		38	11·01	...		36	22·2	M
7	...		38	11·03	...		36	23·3	M
21	...		38	10·97	...		36	22·4	R
22	...		38	11·01	...		36	22·4	R
Mar. 23	...	9	38	10·99	...	65	36	22·1	R
25	...		38	11·00	...		36	22·1	R
28	...		38	11·00	...		36	22·3	R
Apl. 10	...		38	11·02	...		36	22·8	M
500				*Anon.*					
Apl. 5	5·8	9	39	2·69	...	82	40	11·9	M
6	5·8		39	2·76	...		40	12·5	M
501				*Anon.*					
Apl. 7	7·9	9	41	52·43	...	130	49	37·5	M
502				*Anon.*					
Mar. 27	9·0	9	43	29·04	...	143	57	8·5	R
Apl. 4	9·1		43	29·05	...		57	8·1	M
503				*Anon.*					
Mar. 24	8·2	9	43	36·67	...	143	46	10·7	R
504				*Anon.*					
Feb. 23	8·7	9	44	7·53	...	147	1	53·6	R
505				*Anon.*					
Feb. 25	9·1	9	44	59·56	...	129	47	38·3	R
Mar 6	8·9		44	59·45	...		47	39·3	M
506				*Anon.*					
Mar. 28	9·0	9	45	58·50	...	120	3	9·4	R
507				*R. P. L.* 70.					
Mar. 23	...	9	46	28·85	3	5	26	4·7	R
508				*Anon.*					
Mar. 25	9·0	9	46	29·17	5	120	7	14·7	R
30	9·2		46	29·01	...		7	13·6	R
509				*Anon.*					
Mar. 29	9·3	9	48	35·65	...	153	7	57·8	R

Separate Results of Madras Meridian Circle Observations in 1865.

Number and Date.	Magnitude.	Mean Right Ascension. 1865. h.	m.	s.	No. of Wires.	Mean Polar Distance 1865. °	′	″	Observer.
510	*Anon.*								
Mar. 24	9·0	9	50	49·86	...	145	39	29·6	R
27	8·8		50	49·67	5		39	31·0	R
511	*29 Leonis ψ*								
Jan. 13	...	9	53	4·70	5	81	18	35·5	R
Feb. 11	...		53	4·50	...		18	34·8	M
22	...		53	4·63	...		18	35·2	R
Mar. 1	...		53	4·63	...		18	35·1	M
7	...		53	4·78	...		18	35·0	M
9	...		53	4·66	...		18	37·2	M
11	...		53	4·57	...		18	34·7	M
13	...		53	4·49	...		18	35·2	M
21	...		53	4·63	...		18	34·3	R
23	...		53	4·61	...		18	35·5	R
31	...		53	4·61	...		18	34·9	R
Apl. 3	...		53	4·63	...		18	35·3	M
5	...		53	4·64	...		18	34·3	M
512	*Anon.*								
Mar. 29	9·1	9	53	54·98	...	152	7	4·2	R
513	*Anon.*								
Apl. 4	8·1	9	54	10·87	...	143	58	32·8	M
10	8·0		54	11·00	...		58	32·7	M
514	*Taylor 4445.*								
Mar. 28	8·0	10	54	45·18	...	147	28	57·6	R
515	*Anon.*								
Feb. 24	9·0	9	55	54·00	...	147	24	33·3	R
516	*Anon.*								
Feb. 16	9·7	9	56	1·14	5	127	57	43·1	R
Mar. 30	9·6		56	1·06	...		57	42·3	R
517	*Anon.*								
Feb. 16	8·9	9	57	9·73	4	120	56	55·5	R
Mar. 30	9·0		57	9·80	5		56	56·4	R
518	*Anon.*								
Apl. 7	9·0	9	57	50·00	5	145	33	21·5	M
519	*Taylor 4476.*								
Feb. 23	7·9	9	57	53·58	...	145	36	22·5	R
520	*Anon.*								
Apl. 4	8.7	9	58	11·24	5	143	54	26·0	M
521	*Taylor 4484.*								
Feb. 10	7·7	9	58	42·27	...	151	30	19·5	M
Mar. 24	7·8		58	42·26	...		30	16·8	R
Apl. 8	7·1		58	42·51	...		30	19·6	M
522	*32 Leonis α, Regulus.*								
Mar. 4	...	10	1	10·81	...	77	22	27·9	M
6	...		1	10·75	...		22	28·4	M
9	...		1	10·73	...		22	28·8	M
20	...		1	10·70	...		22	28·6	R
21	...		1	10·78	...		22	28·2	R
22	...		1	10·73	...		22	28·2	R
23	...		1	10·70	..		22	28·2	R
29	...		1	10·83	...		22	27·8	R
31	...		1	10·71	...		22	28·2	R
Apl. 5	...		1	10·88	...		22	28·5	M
6	...		1	10·87	..		22	28·4	M
523	*Anon.*								
Jan. 14	9·0	10	1	23·73	3	130	0	15·8	M
524	*Lacaille 4164.*								
Apl. 4	7·0	10	2	14·73	...	143	54	21·5	M
525	*Anon.*								
Feb. 27	9·3	10	2	49·36	5	120	57	52·6	R
Mar. 27	9·3		2	49·14	5		57	53·3	R
526	*Anon.*								
Mar. 13	8·1	10	5	16·28	3	140	30	3·4	M
Apl. 3	8·2		5	16·03	...		30	3·1	M

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Number and Date.	Magnitude.	Mean Right Ascension 1865. h.	m.	s.	No. of Wires.	Mean Polar Distance 1865. °	′	″	Observer.
527			*Taylor* 4538.						
Apl. 10	7·1	10	6	12·04	..	123	19	41·6	M
528			*Anon.*						
Mar. 27	8·9	10	7	9·78	5	129	58	26·0	R
30	9·0		7	9·76	...		58	26·5	R
529			*Anon.*						
Mar. 28	9·2	10	9	3·84	5	139	52	0·4	R
530			*R. P. L.* 72, *s. p..*						
Sep. 13	...	10	9	31·13	3	5	3	59·6	M
531			*Anon.*						
Apl. 7	7·1	10	9	53·90	3	145	34	42·2	M
532			*Anon.*						
Feb. 24	9·5	10	10	18·91	3	139	51	30·3	R
Mar. 28	9·2		10	18·56	4		51	28·3	R
533			41 *Leonis* γ^1						
Feb. 23	...	10	12	31·38	...	69	28	38·3	R
Mar. 4	...		12	31·43	...		28	37·3	M
7	...		12	31·44	...		28	38·4	M
27	...		12	31·51	...		28	38·7	R
29	...		12	31·47	...		28	38·0	R
30	...		12	31·52	...		28	38·4	R
Apl. 1	...		12	31·49	...		28	38·5	M
4	...		12	31·37	...		28	38·1	M
19	...		12	31·52	...		28	38·8	R
534			*Anon.*						
Feb 27	9·3	10	12	53·97	...	128	37	14·0	R
535			43 *Leonis.*						
Apl. 6	6·2	10	15	56·40	...	82	46	23·6	M
7	...		15	56·45	...		46	23·7	M
536			*Anon.*						
Apl. 10	7·0	10	16	14·35	5	129	16	33·6	M
537			*Taylor* 4653.						
Mar. 13	8·0	10	18	4·33	6	151	23	32·7	M
Apl. 3	8·0		18	3·97	5		23	31·5	M
538			*Anon.*						
Mar. 29	9·2	10	18	47·80	5	146	8	41·5	R
539			45 *Leonis.*						
Jan. 14	6·0	10	20	31·09	...	79	33	3·0	M
Feb. 10	6·0		20	31·04	...		33	3·3	M
540			*Anon.*						
Mar. 30	8·0	10	21	54·67	5	146	55	12·3	R
Apl. 20	8·3		21	54·68	5		55	12·7	R
541			*Anon.*						
Apl. 21	9·0	10	21	58·26	...	146	39	20·6	R
542			*Anon.*						
Apl. 22	9·9	10	23	25·13	5	76	5	36·7	R
543			47 *Leonis* ρ						
Jan. 14	...	10	25	42·05	...	80	0	0·5	M
Feb. 10	..		25	42·15	...		0	0·4	M
28	...		25	42·11	...	79	59	59·9	M
Mar. 9	...		25	42·10	...	80	0	0·1	M
25	...		25	42·01	...		0	0·1	R
27	...		25	42·04	...	79	59	59·8	R
29	...		25	42·00	...	80	0	0·9	R
31	...		25	42·02	...	79	59	59·6	R
Apl. 5	R		25	41·86	...		59	59·5	M
6	...		25	41·90	.	80	0	0·0	M
7	...		25	41·97	...	79	59	59·8	M
10	...		25	41·98	.		59	59·9	M
19	...		25	42·03	...		59	59·7	R
24	...		25	42·01	...		59	59·9	R

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Number and Date.	Magnitude.	Mean Right Ascension 1865. h. m. s.	No. of Wires.	Mean Polar Distance. 1865. ° ′ ″	Observer.
544		*Anon.*			
May. 2	9·0	10 26 32·25	...	153 26 5·1	M
545		*p Carinae,*			
Mar. 13	...	10 27 13·98	5	150 59 32·2	M
Apl. 8	...	27 13·94	...	59 33·0	M
546		*Anon.*			
Apl. 3	9·5	10 28 6·91	3	150 50 14·1	M
547		*Taylor 4769.*			
Apl. 22	6·0	10 30 34·42	5	146 51 35·0	R
548		*Anon.*			
Apl. 4	8·7	10 31 6·24	3	151 9 56·6	M
May 3	..	31 6·09	5	9 56·5	M
549		*Anon.*			
Apl. 6	9·4	10 34 54·78	...	139 16 58·1	M
550		*Anon.*			
Apl. 10	8·5	10 35 5·34	...	149 5 59·4	M
551		*Taylor 4824.*			
Apl. 20	7·8	10 36 8·52	5	148 58 20·9	R
24	7·0	36 8·73	...	58 21·2	R
May 2	7·0	36 8·64	4	58 21·9	M
4	8·0	36 8·74	5	58 20·6	M
552		*Anon.*			
Apl. 3	9·4	10 36 33·61	3	150 47 34·3	M
553		*Anon.*			
Mar 13	8·1	10 37 33 24	3	151 29 30·4	M
554		*Taylor 4849.*			
Apl. 22	6·6	10 38 41·64	...	149 24 37·0	R
26	7·0	38 41·85	...	24 36·0	R
555		*Taylor 4850, 2nd.*			
Apl. 21	8·8	10 38 44·51	...	148 50 25·3	R
556		*Anon.*			
Apl. 8	9·0	10 39 5·28	..	148 34 31·8	M
557		*η Argûs Var. 1.*			
Mar. 31	...	10 39 49·80	...	148 58 33·3	R
Apl. 20	...	39 49·89	...	58 32·7	R
24	...	39 50·04	...	58 34·3	R
558		*Taylor 4872.*			
Apl. 4	8·0	10 41 7·08	5	151 13 53·3	M
559		*Anon.*			
Apl. 23	9·2	10 41 58·61	...	149 23 11·5	R
26	9·3	41 58·76	...	23 10·8	R
560		*53 Leonis l*			
Mar. 23	...	10 12 9·55	...	78 43 29·5	R
24	...	42 9·52	...	41 30·0	R
25	...	42 9 63	.	44 29·1	R
27	...	42 9·54	...	41 29·1	R
28	...	42 9·59	...	41 30·6	R
29	...	42 9·52	...	44 29·2	R
30	...	42 9·54	...	44 29·6	R
Apl. 1	...	42 9·43	...	44 29·8	M
3	...	42 9·52	...	41 29·4	M
19	...	42 9·55	5	41 29·4	R
25	...	42 9·48	...	41 28·7	R
561		*Taylor 4915.*			
Mar. 13	8·3	10 46 35 12	...	135 30 5·4	M
Apl. 6	7·0	46 35 12	...	30 5·5	M

Separate Results of Madras Meridian Circle Observations in 1865.

Number and Date	Magnitude	Mean Right Ascension 1865. h	m	s	No. of Wires	Mean Polar Distance 1865. °	′	″	Observer
562				*55 Leonis.*					
Mar. 10	6·3	10	48	45·74	...	88	32	38·6	M
11			48	45·59	...		32	39·1	M
563				*Anon.*					
Apl. 8	9·0	10	50	31·70	4	148	48	25·2	M
27	9·2		50	31·66	5		48	23·4	M
564				*Taylor* 4955.					
Apl. 5	7·1	10	50	43·20	...	147	19	57·6	M
565				*Anon.*					
Apl. 4	9·0	10	51	58·26	5	143	45	48·0	M
29	...		51	58·33	...		45	47·5	R
566				*Anon.*					
Mar. 21	9·0	10	52	21·55	5	143	36	35·9	R
567				*Anon.*					
Apl. 7	8·5	10	53	35·18	3	149	15	5·8	M
22	8·9		53	35·08	...		15	4·4	M
568				*59 Leonis c*					
Mar 10	...	10	53	44·92	...	83	10	27·0	M
569				*Anon.*					
Mar. 13	8·5	10	53	49·80	3	135	32	8·2	M
Apl 6	8·8		53	50·07	...		32	8·0	M
26	9·0		53	49·97	...		32	7·2	R
570				*50 Ursae Majoris α, Dubhe.*					
Mar 21	R	10	55	22·11	5	27	31	15·3	R
22	R		55	22·27	5		31	15·0	R
31	R		55	22·23	4		31	15·2	R
Apl 25	...		55	22·26	5		31	14·5	R
571				*Anon.*					
May 1	8·0	10	55	40·50	3	149	17	7·5	M
572				*Anon.*					
Mar 18	9·3	10	57	2·01	5	145	32	46·3	R
Apl 21	9·3		57	2·14	...		32	47·3	R
573				*63 Leonis χ*					
Mar. 21	...	10	58	3·12	...	81	56	6·3	R
27	R		58	3·10	6		56	5·1	R
28	...		58	3·03	...		56	5·3	R
30	...		58	3·10	...		56	6·1	R
Apl. 10	...		58	3·15	..		56	6·2	M
21	...		58	3·00	...		56	5·5	R
29	...		58	3·03	...		56	5·7	R
574				*Lacaille* 4595.					
May 2	8·0	10	59	21·68	...	148	59	12·1	M
9	8·0		59	21·38	5		59	10·1	M
575				*Lacaille* 4612.					
Mar. 13	8·5	11	0	57·36	...	151	46	54·1	M
576				*Anon.*					
Apl. 6	8·4	11	1	4·03	5	135	33	57·3	M
577				*67 Leonis.*					
Apl. 22	6·5	11	1	31·03	...	64	36	42·2	R
578				*Anon.*					
May 1	8·1	11	1	51·74	...	149	11	4·9	M
579				*Anon.*					
May 3	...	11	2	0·77	...	148	56	29·6	M
4	8·0		2	0·67	3		56	29·6	M
580				*Lalande* 21371.					
Mar. 23	8·0	11	3	33·52	...	77	38	0·0	R
581				*Lalande* 21416.					
Apl 26	9·1	11	5	1·86	...	67	12	40·5	R

Separate Results of Madras Meridian Circle Observations in 1865.

Number and Date.	Magnitude.	Mean Right Ascension 1865. h. m. s.	No. of Wires.	Mean Polar Distance 1865. ° ′ ″	Observer.
582 *Anon.*					
May 2	8·1	11 5 51·90	5	148 39 4·2	M
583 *Taylor* 5108.					
Mar. 10	5·9	11 6 19·42	5	149 35 3·9	M
584 69 *Leonis* p^3					
Feb. 11	5·0	11 6 50·87	...	89 20 9·7	M
585 68 *Leonis* δ					
Mar. 14	...	11 6 55·53	...	68 41 14·6	M
24	...	6 55·36	...	41 15·2	R
28	R	6 55·46	5	41 15·2	R
Apl. 25	...	6 55·49	...	41 14·6	R
29	...	6 55·41	...	41 14·9	R
586 *Anon.*					
Mar. 25	9·3	11 8 36·60	...	150 51 9·3	R
587 *Anon.*					
Apl. 21	8·7	11 9 47·15	5	117 15 18·7	R
588 74 *Leonis* φ					
Feb. 11	...	11 9 47·61	3	92 54 53·5	M
Apl. 8	...	9 47·89	...	54 52·7	M
589 *Anon.*					
May 2	8·5	11 10 28·25	3	148 56 9·4	M
590 *Anon.*					
Apl. 22	9·0	11 10 34·66	3	111 8 35·0	R
591 *Anon.*					
Apl. 28	8·3	11 11 10·92	...	127 38 41·8	R
592 12 *Crateris* δ					
Mar. 13	...	11 12 35·66	...	101 2 55·0	M
14	...	12 35·55	...	2 54·3	M
Apl. 1	...	12 35·49	...	2 55·2	M
3	...	12 35·44	...	2 55·2	M
21	...	12 35·60	...	2 53·9	R
29	...	12 35·60	5	2 54·0	R
593 *Anon.*					
May 3	7·7	11 12 51·47	...	129 32 27·0	M
594 *Anon.*					
Mar. 21	7·8	11 15 52·81	...	128 21 56·3	R
Apl. 20	8·0	15 52·70	...	21 55·2	R
595 *Lacaille* 4726.					
Mar. 18	8·2	11 16 7·99	...	145 51 48·3	R
Apl. 10	8·0	16 7·94	.	51 50·6	M
May 4	8·0	16 8·17	...	51 49·9	M
596 79 *Leonis.*					
Apl. 7	.	11 17 6·62	...	87 51 6·8	M
597 *Taylor* 5220.					
Mar. 25	8·0	11 19 3·43	...	131 55 31·1	R
May 1	8·0	19 3·31	..	55 32·6	R
598 *Anon.*					
Mar. 21	9·3	11 21 45·11	...	128 23 5·6	R
Apl. 20	9·3	21 45·07	...	23 6·9	R
599 *Taylor* 5245.					
May 1	8·7	11 22 5·88	5	131 36 8·1	M
5	8·5	22 5·81	5	36 7·7	M
600 *Anon.*					
Mar. 18	9·2	11 22 31·03	4	145 54 4·0	R

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Number and Date.	Magnitude.	Mean Right Ascension 1865. h.	m.	s.	No. of Wires.	Mean Polar Distance 1865. °	′	″	Observer.
601			*O. A. N.* 11812.						
Apl. 22	9·0	11	23	12·69	..	22	58	4·3	R
29	9·3		23	12·93	5		58	5·3	R
602			*Anon.*						
Apl. 6	8·2	11	24	33·97	...	22	56	14·5	M
22	9·0		24	33·47	5		56	15·1	R
29	9·3		24	33·73	5		56	16·2	R
May. 3	8·0		24	33·93	5		56	13·8	M
603			*Anon.*						
May 4	9·1	11	25	23·80	5	128	27	8·0	M
604			*Anon.*						
Mar. 21	9·3	11	25	50·51	...	128	23	6·2	R
23	9·7		25	50·44	4		23	6·7	R
Apl. 21	9·2		25	50·45	...		23	6·4	R
605			*Anon.*						
Mar. 14	9·0	11	26	30·42	5	151	4	24·1	M
606			*Anon.*						
Mar. 21	9·2	11	28	22·79	5	128	20	27·6	R
Apl. 21	9·3		28	22·74	...		20	29·3	R
28	9·3		28	22·79	...		20	26·2	R
607			λ *Centauri.*						
Mar. 15	...	11	29	31·22	5	152	16	25·8	M
23	...		29	31·36	...		16	25·6	R
608			*Anon.*						
May 9	8·0	11	29	53·75	..	149	16	2·8	M
10	8·2		29	54·09	..		16	1·9	M
609			91 *Leonis* υ						
Feb. 11	...	11	30	2·08	..	90	4	44·5	M
Mar. 11	...		30	2·20	.		4	44·3	M
24	...		30	2·30	...		4	44·4	R
Mar. 29	R	11	30	2·14	...	90	4	43·4	R
May 2	...		30	2·17	...		4	44·6	M
5	...		30	2·26	...		4	44·2	M
8	...		30	2·08	...		4	43·8	M
610			*Anon.*						
Apl. 20	9·2	11	32	12·24	5	144	14	53·9	R
611			*Anon.*						
Apl. 4	8·0	11	33	10·21	..	144	14	57·1	M
5	8·3		33	10·44	5		14	56·8	M
20	8·2		33	10·21	5		14	55·3	R
612			*W. B. E. XI.* 571.						
Mar. 25	8·0	11	33	25·83	...	88	18	0·2	R
613			*Anon.*						
Apl 6	7·0	11	34	23·38	...	144	21	3·3	M
May 3	...		34	23·23	3		21	1·9	M
4	7·9		34	23·52	4		21	1·4	M
614			*W. B. E. XI.* 597.						
Apl 29	9·1	11	34	46·72	...	88	15	25·3	R
615			*Anon.*						
Apl 28	9·0	11	38	45·08	...	129	34	22·3	R
616			*Anon.*						
Mar 21	9·2	11	40	59·67	...	149	52	24·3	R
617			*Anon.*						
Mar 23	9·0	11	41	15·38	...	129	32	26·1	R
Apl 28	9·2		41	15·19	...		32	25·7	R

Separate Results of Madras Meridian Circle Observations in 1865.

Number and Date.	Magnitude.	Mean Right Ascension 1865. h. m. s.	No. of Wires.	Mean Polar Distance 1865. ° ′ ″	Observer.
618		94 *Leonis* β.			
Mar. 14	...	11 42 10·26	...	74 40 24·2	M
Apl. 7	...	42 10·31	...	40 25·6	M
25	...	42 10·29	5	40 25·2	R
29	...	42 10·28	...	40 25·6	R
May. 1	...	42 10·28	..	40 26·2	M
2	...	42 10·29	...	40 25·5	M
8	...	42 10·35	5	40 24·7	M
10	...	42 10·43	...	40 26·5	M
619		*Taylor* 5421.			
Mar. 23	8·2	11 43 13·88	...	129 31 34·5	R
Apl. 11	7·7	43 13·96	4	31 35·4	M
28	7·0	43 13·82	5	31 33·8	R
620		5 *Virginis* β			
Mar. 11	...	11 43 39·68	...	87 28 29·6	M
Apl. 8	...	43 39·79	...	28 29·3	M
May 5	...	43 39·69	...	28 29·0	M
621		*Anon.*			
May 3	7·9	11 44 47·18	..	129 2 59·2	M
4	8·0	44 47·10	...	3 0·2	M
9	8·0	44 46·93	...	3 0·4	M
622		*Taylor* 5433.			
Mar. 23	8·4	11 44 54·37	5	129 33 25·1	R
623		*Groombridge* 1830.			
Apl. 21	6·6	11 45 11·23	...	51 18 50·1	R
624		*Anon.*			
Mar. 25	9·3	11 45 51·83	5	142 31 19·8	R
625		64 *Ursae Majoris* γ			
Apl. 3	2	11 46 43·48	6	35 33 18·0	M
626		*Lacaille* 4937.			
Apl. 12	7·1	11 48 18·29	5	152 31 43·0	M
627		*Anon.*			
Mar. 15	7·9	11 50 39·80	5	150 22 20·5	M
22	8·0	50 40·07	...	22 20·4	R
Apl. 5	8·0	50 40·06	5	22 21·6	M
May 1	7·9	50 40·14	...	22 22·4	M
628		*Lacaille* 4956.			
May 8	8·3	11 51 12·88	5	154 34 17·8	M
629		*Anon.*			
May 5	8·6	11 51 26·85	...	128 32 55·6	M
630		*Anon.*			
Apl. 21	9·5	11 52 42·47	5	154 38 40·3	R
631		*Anon.*			
May 2	9·6	11 53 53·12	3	120 36 12·2	M
632		*Anon.*			
May 9	9·0	11 56 26·46	...	128 30 16·9	M
633		*Taylor* 5534.			
Mar. 27	8·7	11 56 52·76	5	143 57 39·5	R
May 10	7·9	56 52·80	...	57 41·0	M
634		*Lacaille* 4995.			
Apl. 28	8·0	11 56 57·18	5	142 44 46·8	R
May 15	7·1	56 57·26	...	44 47·6	M
17	7·5	56 57·28	3	44 46·9	M
635		*Taylor* 5535.			
Mar 25	8·1	11 57 6·82	...	70 23 51·0	R
28	8·0	57 6·61	...	23 50·2	R
Apl 11	8·0	57 6·46	...	23 50·6	M
636		*R. P. L.* 89—*s p.*			
Oct. 14	..	11 57 54·38	2	3 [illegible] 55·2	W

Separate Results of Madras Meridian Circle Observations in 1865.

Number and Date.	Magnitude.	Mean Right Ascension 1865. h.	m.	s.	No. of Wires.	Mean Polar Distance 1865. °	′	″	Observer.
637				*Anon.*					
Mar 30	9·0	11	59	4·37	5	128	28	5·8	R
638				*Anon.*					
Apl. 5	9·1	11	59	34·62	3	150	19	58·1	M
26	9·0		59	34·78	...		19	57·3	R
29	...		59	34·58	5		19	57·6	R
639				*Anon.*					
Mar. 15	8·6	12	1	10·79	...	150	21	47·6	M
Apl. 26	8·5		1	11·03	4		21	47·4	R
May 16	8·7		1	11·09	5		21	46·8	R
640				*Lacaille* 5041.					
Mar. 14	8·0	12	2	35·93	...	141	23	34·1	M
641				2 *Corvi* ε					
Apl. 7	...	12	3	11·01	...	111	52	9·0	M
12	...		3	11·05	...		52	8·6	M
20	...		3	11·13	...		52	7·9	R
May 1	...		3	11·21	5		52	9·2	M
2	...		3	11·14	...		52	9·0	M
3	...		3	11·07	...		52	7·4	M
4	...		3	10·86	...		52	7·2	M
5	...		3	11·18	...		52	9·2	M
642				*Anon.*					
Apl. 27	9·0	12	5	51·28	..	134	8	28·0	R
643				*Anon.*					
Mar. 15	8·7	12	5	59·16	...	150	19	23·7	M
Apl 5	8·0		5	59·23	...		19	25·2	M
May 16	8·9		5	59·15	5		19	25·5	R
644				*Anon.*					
May 9	...	12	6	15·41	3	139	27	53·7	M
645				*Anon.*					
Mar. 28	9·2	12	8	53·34	...	144	20	34·1	R
Apl. 28	9·0		8	53·27	5		20	35·5	R
646				*Anon.*					
Apl. 5	8·1	12	11	55·17	5	150	23	12·7	M
647				*Taylor* 5648.					
Mar. 29	7·3	12	12	34·47	...	152	6	17·6	R
648				*R. P. L.* 92.					
May 8	...	12	12	53·55	3	2	48	48·3	M
15	...		12	53·63	3		48	49·2	M
649				15 *Virginis* η					
Mar. 13	...	12	12	59·97	...	89	55	0·0	M
31	R		12	59·89	6		54	58·5	R
Apl. 4	...		12	59·99	...		54	59·8	M
6	..		12	59·97	...		54	59·3	M
7	...		12	59·97	...		55	0·0	M
8	...		12	59·91	...		54	59·6	M
12	...		12	59·99	...		55	0·2	M
20	...		12	59·96	...		54	59·7	R
May 2	...		12	59·98	..		55	0·2	M
4	...		12	59·98	...		54	59·4	M
5	...		12	59·82	...		55	0·4	M
10	...		12	59·92	...		54	59·2	M
20	...		13	0·03	5		55	1·0	R
650				*Lacaille* 5119.					
May. 17	8·0	12	15	25·03	...	138	34	37·1	M
651				*Anon.*					
Mar. 14	8·0	12	15	55·30	..	141	40	15·8	M
15	8·0		15	55·19	...		40	14·8	M
652				*Anon.*					
May 18	8·8	12	16	49·29	5	147	10	7·0	R

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Number and Date.	Magnitude.	Mean Right Ascension 1865. h. m. s.	No. of Wires.	Mean Polar Distance 1865. ° ′ ″	Observer.
653		*α^1 Crucis.*			
May 20	...	12 19 6·73	5	152 21 3·9	R
654		*Anon.*			
May 1	8·0	12 19 6·77	...	147 21 41·5	M
655		*Anon.*			
May 16	9·1	12 24 41·91	5	150 58 59·2	M
656		*Anon.*			
May 22	...	12 25 59·16	5	28 2 11·1	R
657		*9 Corvi β*			
Mar. 31	R	12 27 17·98	...	112 38 58·6	R
Apl. 8	...	27 18·06	...	39 0·2	M
11	...	27 17·96	...	39 1·6	R
21	...	27 18·00	...	39 0·1	R
22	...	27 17·97	...	38 59·4	R
28	...	27 18·01	..	38 59·4	R
May 4	...	27 18·11	...	38 59·8	M
8	...	27 17·96	...	38 59·6	M
9	...	27 17·98	...	38 59·5	M
658		*Taylor* 5785.			
Apl. 7	7·9	12 27 50·02	...	150 59 46·4	M
May 16	7·5	27 49·90	5	59 46·5	R
659		*Anon.*			
Mar. 15	8·0	12 27 52·32	5	141 40 14·7	M
Apl. 12	8·4	27 52·43	...	40 16·4	M
660		*Anon.*			
May 18	9·2	12 27 58·77	...	140 55 32·7	R
661		*Anon.*			
May 25	9·2	12 31 54·98	...	84 30 52·5	R
662		*Anon.*			
May 23	...	12 32 52·57	...	143 7 43·3	R
663		*Anon.*			
Apl. 27	8·7	12 33 50·41	5	145 33 48·6	R
664		*Taylor* 5830.			
May 2	7·0	12 34 30·15	...	144 1 13·9	M
665		*29 Virginis γ^1*			
May 1	...	12 34 49·13	...	90 42 31·3	M
15	...	34 49·13	...	42 27·0	M
20	...	34 49·18	...	42 29·5	R
666		*29 Virginis γ^2*			
Apl. 22	...	12 34 49·22	5	90 42 31·0	R
667		*28 Virginis.*			
Apl. 10	...	12 34 58·92	...	96 45 27·8	M
668		*W. B. E. XII.* 592.			
May 9	8·0	12 36 4·31	3	98 18 9·0	M
10	8·0	36 4·43	...	18 8·3	M
669		*Anon.*			
Apl. 6	8·3	12 38 20·00	5	146 28 42·1	M
May 8	8·4	38 19·96	3	28 42·7	M
18	9·0	38 20·02	...	28 40·6	R
670		*Anon.*			
June 3	8·0	12 39 29·17	5	143 50 37·6	M
671		*Anon.*			
May 16	9·3	12 39 31·39	5	141 54 33·6	R

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Number and Date.	Magnitude.	Mean Right Ascension 1865. h.	m.	s.	No. of Wires.	Mean Polar Distance 1865. °	′	″	Observer.
672			*Anon.*						
June 5	8·0	12	40	52·61	3	141	53	12·4	M
673			*Anon.*						
Mar. 15	8·2	12	41	43·17	5	141	49	53·8	M
674			*Anon.*						
May 25	9·4	12	42	6·67	3	147	16	47·5	R
675			*Anon.*						
May 25	8·8	12	42	27·91	5	147	19	5·5	R
676			*Anon.*						
May 27	9·3	12	42	50·78	...	142	52	17·4	R
677			*Anon.*						
Apl. 25	...	12	43	20·77	5	129	8	11·8	R
678			*U Virginis Var. 3.*						
Apl. 22	8·5	12	44	14·71	...	83	42	40·9	R
679			*Radcliffe* 2922.						
May 22	...	12	45	9·16	5	26	16	44·9	R
680			40 *Virginis* ψ						
Apl. 10	...	12	47	20·03	...	98	48	18·6	M
681			*R. P. L.* 99.						
Apl. 26	...	12	48	11·45	3	5	51	9·1	R
May 15	...		48	11·05	3		51	10·6	M
682			*Anon.*						
May 23	...	12	48	32·02	...	125	25	30·2	R
683			*Anon.*						
May 10	8·3	12	48	56·37	...	149	24	38·1	M
June 6	8·0		48	56·21	...		24	37·8	M
684			12 *Canum Venaticorum.*						
Apl. 11	...	12	49	42·32	...	50	57	7·6	M
12	...		49	42·45	...		57	7·0	M
20	...		49	42·37	...		57	7·2	R
21	...		49	42·37	5		57	8·4	R
22	...		49	42·38	...		57	8·2	R
27	...		49	42·41	...		57	6·9	R
28	...		49	42·35	...		57	6·9	R
May 3	...		49	42·43	...		57	6·2	M
4	...		49	42·39	...		57	7·0	M
9	...		49	42·58	...		57	6·9	M
22	...		49	42·41	5		57	7·0	R
29	...		49	42·12	...		57	8·6	R
685			*Anon.*						
May 25	9·5	12	51	13·39	5	127	5	24·6	R
686			*Anon.*						
May 17	8·6	12	53	20·21	5	143	40	51·4	M
687			*Anon.*						
May 31	..	12	53	28·87	5	135	44	47·0	R
688			*Anon.*						
May 23	9·0	12	55	6·17	5	124	23	22·0	R
689			*Anon.*						
May 25	9·0	12	57	2·57	...	123	28	31·7	R
27	9·0		57	2·45	...		28	30·7	R
690			*Anon.*						
Apl. 27	...	12	58	9·40	4	124	20	1·5	R

Separate Results of Madras Meridian Circle Observations in 1865.

Number and Date.	Magnitude.	Mean Right Ascension 1865. h.	m.	s.	No. of Wires.	Mean Polar Distance 1865. °	′	″	Observer.
691			*Anon.*						
May 18	8·0	12	58	18·85	...	124	23	15·6	R
23	8·0		58	18·89	5		23	15·3	R
692			*Taylor* 6025.						
May 27	7·8	12	59	30·80	5	123	24	44·0	R
693			51 *Virginis θ*						
Mar 13	...	13	2	57·70	...	94	49	3·9	M
14	...		2	57·63	...		49	3·6	M
15	...		2	57·71	...		49	3·9	M
Apl. 3	R		2	57·74	5		49	1·6	M
12	...		2	57·67	...		49	4·4	M
26	...		2	57·78	...		49	4·1	R
May 9	...		2	57·46	...		49	4·3	M
10	...		2	57·70	...		49	5·0	M
17	...		2	57·62	...		49	4·0	M
20	...		2	57·64	...		49	4·3	R
29	...		2	57·62	...		49	2·4	R
30	...		2	57·74	...		49	3·9	R
694			*Anon.*						
May 25	9·0	13	4	38·96	...	143	12	42·2	R
695			*Lacaille* 5434.						
June 1	8·3	13	6	1·39	...	152	51	53·6	M
696			*Anon.*						
Apl. 27	8·7	13	7	42·95	4	130	46	33·2	R
28	9·3		7	42·95	6		46	31·8	R
May 18	8·5		7	42·88	5		46	31·5	R
697			*Anon.*						
Apl 27	9·2	13	8	9·51	5	139	46	3·8	R
May 18	9·3		8	9·68	4		46	4·0	R
698			*Anon.*						
Apl 29	8·7	13	9	48·90	...	129	56	36·0	R

Number and Date.	Magnitude.	Mean Right Ascension 1865. h.	m.	s.	No. of Wires.	Mean Polar Distance 1865. °	′	″	Observer.
699			*Anon.*						
Apl. 22	7·8	13	12	56·30	...	122	56	51·3	R
June 5	7·7		12	56·12	...		56	54·1	M
700			*Lacaille* 5503.						
Apl. 25	8·0	13	14	12·31	...	128	24	10·8	R
May 10	7·9		14	12·41	..		24	12·4	M
701			*Taylor* 6148.						
May 26	7·0	13	14	15·04	...	128	8	38·3	R
702			*O. A. N.* 13563.						
May 25	...	13	15	26·64	4	27	53	32·4	R
703			*Anon.*						
May 26	9·5	13	17	10·43	5	128	9	45·4	R
704			67 *Virginis α, Spica.*						
Mar. 13	...	13	18	4·98	...	100	27	20·8	M
14	...		18	5·00	...		27	22·4	M
Apl. 10	...		18	5·06	...		27	21·2	M
11	...		18	4·96	...		27	21·3	M
21	...		18	5·01	...		27	20·7	R
22	...		18	5·04	...		27	22·0	R
27	...		18	5·07	...		27	21·1	R
28	...		18	4·94	...		27	20·8	R
May 1	...		18	5·11	...		27	21·9	M
3	...		18	4·99	5		27	20·0	M
8	...		18	4·98	...		27	21·1	M
17	...		18	4·99	...		27	21·0	M
20	...		18	4·98	...		27	21·6	R
29	...		18	5·04	...		27	20·1	R
30	...		18	5·01	...		27	21·7	R
June 7	...		18	4·89	3		27	19·8	M
14	...		18	5·04	...		27	23·1	M
705			*Anon.*						
June 6	8·2	13	19	3·02	5	143	27	5·4	M

Separate Results of Madras Meridian Circle Observations in 1865.

Number and Date.	Magnitude.	Mean Right Ascension 1865. h.	m.	s.	No. of Wires.	Mean Polar Distance 1865. °	′	″	Observer.
706				*Radcliffe* 3011.					
May 22	...	13	19	28·12	3	31	23	47·6	R
707				*R. P. L.* 103—*s.p.*					
Nov. 27	...	13	20	12·44	3	4	32	23·1	R
708				*R. Hydrae Var.* 1					
May 2	6·3	13	22	20·43	...	112	31	59·5	M
June 1	6·0		22	20·38	5		31	58·0	M
709				*Anon.*					
June 3	8·0	13	24	51·17	...	128	8	58·1	M
710				*Anon.*					
May 23	...	13	24	52·95	...	124	9	25·7	R
711				*Anon.*					
May 26	8·0	13	25	34·95	5	128	10	35·7	R
712				76 *Virginis h.*					
Apl. 10	...	13	25	51·49	...	100	28	6·6	M
11	...		25	51·66	...		28	6·9	M
713				*S Virginis Var.* 6.					
June 8	7·1	13	25	57·21	...	96	30	0·2	M
714				*Anon.*					
May 18	8·0	13	26	41·51	3	131	35	30·0	R
715				79 *Virginis* ζ					
Apl. 21	...	13	27	48·82	...	89	54	17·5	R
23	...		27	48·84	...		54	17·8	R
26	...		27	48·96	...		54	17·3	R
27	...		27	48·94	...		54	17·1	R
28	...		27	48·89	...		54	17·3	R
May 1	...		27	48·75	...		54	18·9	M
15	...		27	49·00	...		54	16·5	M
May 22	...	13	27	48·87	...	89	54	17·3	R
25	...		27	48·90	...		54	17·2	R
June 5	...		27	49·03	...		54	16·9	M
7	...		27	48·87	...		54	16·1	M
716				*Taylor* 7183.					
Apl. 25	7·0	13	28	27·28	5	131	43	28·4	R
29	7·7		28	27·40	...		43	27·8	R
June 6	7·0		28	27·17	4		43	27·7	M
717				*Lacaille* 5614.					
May 26	8·0	13	30	0·38	...	128	12	25·3	R
27	...		30	0·35	4		12	26·7	R
718				*Anon.*					
May 18	9·5	13	34	6·45	...	129	10	16·1	R
719				*Anon.*					
May 26	8·7	13	35	46·77	5	128	3	44·6	R
June 8	8·4		35	46·66	5		3	45·5	M
720				*Anon.*					
June 1	8·9	13	36	17·95	...	128	5	40·1	M
721				*Taylor* 6363.					
June 6	7·7	13	36	42·17	...	147	33	46·0	M
722				*Taylor* 6366.					
June 3	7·0	13	36	57·04	5	151	46	21·1	M
723				*Lacaille* 5659.					
May 17	8·7	13	37	12·47	...	152	13	53·1	M
724				86 *Virginis.*					
Mar. 14	...	13	38	44·78	...	101	44	56·4	M
15	6·3		38	44·83	...		44	57·0	M

Separate Results of Madras Meridian Circle Observations in 1865.

Number and Date.	Magnitude.	Mean Right Ascension. 1865. h.	m.	s.	No. of Wires.	Mean Polar Distance 1865. °	′	″	Observer.
725				*85 Ursae Majoris η*					
May 25	...	13	42	13·02	...	40	0	42·7	R
30	...		42	12·98	...		0	43·3	R
June 7	...		42	13·14	...		0	42·5	M
726				*89 Virginis.*					
June 5	...	13	42	32·56	...	107	27	37·1	M
727				*Anon.*					
May 23	8·0	13	43	17·74	...	123	6	50·0	R
728				*Anon.*					
Apl. 25	...	13	43	27·70	...	123	13	22·7	R
May 8	8·5		43	27·37	...		13	24·6	M
729				*Anon.*					
May 26	8·0	13	44	18·58	...	127	57	2·1	R
June 6	8·6		44	18·69	...		57	1·9	M
730				*Anon.*					
May 5	8·6	13	45	45·80	...	122	54	51·0	M
731				*Lacaille 5734.*					
June 3	7·1	13	47	47·60	...	151	49	26·6	M
8	7·1		47	47·68	...		49	26·5	M
12	7·2		47	47·90	3		49	26·3	M
732				*8 Bootis η*					
Apl. 26	...	13	48	15·30	3	70	55	28·2	R
27	...		48	15·31	..		55	28·0	R
May 15	...		48	15·34	...		55	28·1	M
16	...		48	15·35	..		55	29·0	R
23	...		48	15·44	...		55	27·9	R
27	...		48	15·33	...		55	28·0	R
30	...		48	15·32	..		55	28·8	R
June 1	...		48	15·30	3		55	29·6	M
7	...		48	15·37	...		55	27·8	M
14	...		48	15·34	...		55	28·4	M

Number and Date.	Magnitude.	Mean Right Ascension 1865. h.	m.	s.	No. of Wires.	Mean Polar Distance 1865 °	′	″	Observer.
733				*Anon.*					
Apl. 21	8·0	13	50	15·01	3	123	41	2·8	R
734				*Anon.*					
May 8	8·5	13	52	18·55	...	151	30	55·0	M
735				*Anon.*					
May 26	9·5	13	52	29·67	..	128	1	43·2	R
736				*Anon.*					
June 6	8·8	13	53	11·46	...	135	41	8·5	M
737				*β Centauri.*					
May 22	...	13	54	19·57	...	149	43	12·5	R
738				*93 Virginis τ*					
May 11	...	13	54	46·61	...	87	48	2·4	M
16	...		54	46·61	...		48	3·5	R
23	...		54	46·59	...		48	1·6	R
25	...		54	46·59	...		48	2·4	R
June 1	..		54	46·58	...		48	1·8	M
7	..		54	46·71	3		48	2·2	M
739				*94 Virginis.*					
Mar. 14	...	13	59	5·73	3	98	14	45·7	M
740				*Lalande 25896.*					
May 5	7·4	13	59	56·50	3	67	11	12·5	M
741				*Taylor 6570.*					
Apl. 22	9·0	14	0	5·56	3	149	56	19·0	R
29	9·1		0	5·57	3		56	19·1	R
742				*Anon.*					
Apl. 28	9·3	14	0	28·14	3	150	51	20·5	R

Separate Results of Madras Meridian Circle Observations in 1865.

Number and Date	Magnitude	Mean Right Ascension 1865. h.	m.	s.	No. of Wires	Mean Polar Distance 1865. °	′	″	Observer
743			*Taylor* 6583.						
June 8	7·0	14	1	26·07	4	124	14	21·4	M
744			*Anon.*						
June 3	8·4	14	2	5·61	3	124	16	30·3	M
745			*R. P. L* 108—*s.p.*						
Dec. 11	...	14	3	47·71	2	3	35	45·4	M
746			*Lacaille* 5844.						
May 11	7·5	14	5	9·08	...	151	4	25·9	M
25	8·0		5	8·94	...		4	24·6	R
747			*Taylor* 6616.						
June 6	5·9	14	5	34·40	3	146	27	7·5	M
12	...		5	34·39	5		27	7·9	M
748			98 *Virginis* κ						
May 8	...	14	5	41·74	...	99	38	38·2	M
9	..		5	41·70	...		38	37·9	M
749			16 *Bootis* α, *Arcturus.*						
Mar. 15	...	14	9	30·29	...	70	6	49·5	M
May 15	...		9	30·27	3		6	48·2	M
16	...		9	30·27	...		6	49·1	R
17	...		9	30·33	...		6	49·1	M
18	...		9	30·21	...		6	48·9	R
22	...		9	30·34	6		6	49·0	R
June 1	...		9	30·30	...		6	48·7	M
6	...		9	30·28	...		6	49·4	M
7	...		9	30·14	...		6	48·2	M
8	...		9	30·24	3		6	49·1	M
14	...		9	30·23	...		6	48·4	M
19	...		9	30·26	...		6	48·9	R
20	...		9	30·22	...		6	48·6	R
750			100 *Virginis* λ						
Apl. 11	...	14	11	48·55	...	102	44	53·8	M
12	...		11	48·54	5		44	53·9	M
May 8	...		11	48·42	...		44	53·3	M
751			*Anon.*						
June 3	7·7	14	14	30·75	...	150	46	22·9	M
5	7·8		14	30·99	3		46	22·8	M
752			*Anon.*						
May 11	8·5	14	14	37·72	3	122	36	3·2	M
753			2 *Librae.*						
Apl. 11	...	14	16	10·08	...	101	5	45·3	M
12	...		16	10·06	...		5	45·9	M
May 5	7·0		16	9·98	3		5	46·4	M
754			*Taylor* 6721.						
June 12	7·0	14	17	25·52	...	101	3	18·0	M
755			*S Bootis Var.* 2.						
June 20	9·2	14	18	21·54	...	35	34	27·9	R
756			*Anon.*						
May 23	8·2	14	20	1·25	...	127	9	9·2	R
29	...		20	1·34	...		9	10·2	R
757			*Lacaille* 5962.						
Apl. 29	7·8	14	22	46·12	5	129	47	1·8	R
758			*Anon.*						
Apl. 29	9·3	14	23	0·17	5	129	46	17·3	R
759			*O. A. N.* 14634.						
June 24	—	14	25	52·25	4	20	8	39·3	R

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Number and Date.	Magnitude.	Mean Right Ascension 1865. h.	m.	s.	No. of Wires.	Mean Polar Distance. 1865. °	′	″	Observer.
760			*25 Bootis ρ*						
Mar. 15	...	14	26	0·60	...	59	2	4·9	M
May 11	...		26	0·65	...		2	4·0	M
15	...		26	0·48	...		2	4·7	M
16	...		26	0·68	...		2	5·3	R
17	...		26	0·68	...		2	5·1	M
18	...		26	0·62	...		2	4·9	R
31	...		26	0·57	...		2	6·0	R
June 1	...		26	0·66	...		2	4·9	M
3	...		26	0·66	...		2	4·1	M
5	...		26	0·70	...		2	4·6	M
6	...		26	0·69	...		2	4·9	M
8	...		26	0·66	...		2	5·2	M
14	...		26	0·69	...		2	5·0	M
19	...		26	0·58	...		2	3·9	R
23	...		26	0·57	...		2	4·6	M
761			*O. A. N. 14652*						
June 24	...	14	27	2·17	5	20	7	13·5	R
762			*α¹ Centauri*						
May 23	...	14	30	26·89	5	150	16	40·5	R
31	...		30	27·05	...		16	40·8	R
June 12	...		30	27·16	...		16	41·3	M
19	...		30	27·20	5		16	39·9	R
20	...		30	27·27	...		16	39·5	R
763			*α² Centauri.*						
May 25	...	14	30	27·28	...	150	16	32·3	R
June 23	...		30	27·56	...		16	33·5	R
764			*Lacaille 6027.*						
June 8	7·8	14	31	7·80	5	122	47	33·8	M
765			*Anon.*						
May 18	8·5	14	33	45·81	...	121	41	31·1	R
766			*Anon.*						
May 29	8·5	14	33	59·36	...	126	18	2·4	R
767			*Anon.*						
June 20	9·3	14	36	35·96	...	150	17	38·4	R
768			*5 Librae.*						
Mar. 15	...	14	38	31·36	...	104	53	17·5	M
June 6	...		38	31·25	...		53	18·1	M
769			*36 Bootis ε, Mirac.*						
May 11	...	14	39	5·40	...	62	21	19·1	M
18	...		39	5·48	5		21	18·9	R
22	...		39	5·42	...		21	18·1	R
23	...		39	5·37	...		21	18·3	R
25	...		39	5·46	...		21	19·1	R
27	...		39	5·50	...		21	18·5	R
31	...		39	5·54	...		21	17·3	R
June 3	...		39	5·46	...		21	18·1	M
12	...		39	5·26	...		21	18·7	M
19	...		39	5·43	...		21	19·0	R
23	...		39	5·53	...		21	17·8	R
770			*Anon.*						
May 17	7·7	14	39	24·24	5	124	9	53·0	M
June 1	7·9		39	24·21	...		9	53·9	M
771			*Anon.*						
May 29	...	14	40	28·41	5	127	3	59·7	R
772			*Brisbane 5069.*						
June 20	8·9	14	41	28·01	5	131	16	59·2	R
773			*9 Librae α²*						
Mar. 15	...	14	43	24·83	...	105	28	43·7	M
May 9	...		43	24·73	...		28	43·7	M
10	...		43	24·66	...		28	44·3	M
13	...		43	24·67	3		28	43·9	M
23	...		43	24·88	5		28	43·1	R
26	...		43	24·87	...		28	42·4	R
June 3	...		43	24·79	...		28	43·0	R
5	...		43	24·80	...		28	43·4	M
19	...		43	24·90			28	44·0	R
23	...		43	24·83	3		28	44·8	R
29	...		43	24·82	4		28	41·8	R

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Number and Date	Magnitude.	Mean Right Ascension 1865. h. m. s.	No. of Wires.	Mean Polar Distance 1865. ° ′ ″	Observer.
774		*Lalande* 27123.			
May 11	7·8	14 47 20·87	...	109 27 38·2	M
775		*Anon.*			
July 1	9·4	14 47 36·66	3	150 41 25·5	M
776		*Anon.*			
June 20	9·0	14 50 27·36	...	130 32 26·9	R
777		7 *Ursae Minoris β Var.* 1.			
June 19	...	14 51 8·20	3	15 17 32·6	R
778		*Taylor* 7017.			
May 11	7·0	14 57 10·02	3	150 36 13·0	M
13	7·5	57 9·69	5	36 13·3	M
779		*Anon.*			
May 29	8·5	14 57 46·28	5	131 30 58·6	R
780		43 *Bootis ψ*			
May 12	...	14 58 30·61	...	69 31 28·0	M
26	...	58 30·56	...	31 27·9	R
31	...	58 30·66	5	31 28·7	R
June 5	...	58 30·68	...	31 27·4	M
20	...	58 30·73	5	31 29·7	R
781		47 *Bootis k*			
May 30	...	15 0 57·56	...	41 19 35·1	R
782		*Taylor* 7079.			
June 8	6·9	15 3 23·79	...	123 7 30·1	M
783		*Anon.—2nd.*			
May 16	9·0	15 3 37·63		122 18 58·1	R
784		24 *Librae ι*[1]			
Apl. 12	...	15 4 31·69	5	109 16 43·9	M
May 10	...	4 31·84	...	16 43·4	M
785		*R. P. L.* 111.			
June 19	...	15 5 37·16	3	5 31 38·0	R
786		27 *Librae β*			
May 12	...	15 9 41·62	...	98 52 57·4	M
18	...	9 41·73	..	52 57·2	R
26	...	9 41·73	...	52 56·4	R
27	...	9 41·62	...	53 57·8	R
June 12	...	9 41·68	4	52 57·8	M
20	...	9 41·75	...	53 57·2	R
29	...	9 41·53	...	52 57·1	R
July 3	...	9 41·67	...	52 57·1	M
7	...	9 41·64	5	52 57·5	M
787		*Anon.*			
May 13	8·3	15 11 54·91	...	130 24 14·1	M
29	8·5	11 54·97	4	24 15·0	R
788		*Lacaille* 6354.			
May 16	9·0	15 15 4·43	...	124 15 23·5	R
789		*Anon.*			
May 26	9·2	15 17 8·01	...	108 3 54·4	R
790		*Lacaille* 6377.			
June 20	7·8	15 18 58·01	5	130 11 6·3	R
791		32 *Librae ζ*[1]			
Apl. 12	...	15 20 38·81	...	106 14 36·8	M
June 6	...	20 38·63	...	14 35·6	M
792		*W. B. E. XV.* 395.			
July 1	8·9	15 22 1·87	...	101 15 40·8	M

Separate Results of Madras Meridian Circle Observations in 1865.

Number and Date.	Magnitude.	Mean Right Ascension 1865. h.	m.	s.	No. of Wires.	Mean Polar Distance 1865. °	′	″	Observer.
793		*R. P. L.* 114—*s.p.*							
Nov. 14	...	15	22	3·90	3	2	15	14·0	M
794		*Anon.*							
May 16	8·5	15	22	28·39	...	125	10	22·6	R
795		*Anon.*							
June 1	8·1	15	22	32·43	...	151	37	14·4	M
796		*W. B. E. XV.* 429.							
July 14	9·3	15	24	5·56	5	101	28	42·5	M
15	9·4		24	5·76	...		28	41·3	M
797		*Anon.*							
June 20	9·3	15	24	37·32	...	130	9	9·0	R
798		38 *Librae* γ							
June 6	...	15	27	58·37	3	101	20	13·0	M
799		*Anon.*							
May 18	8·2	15	28	45·48	...	126	35	35·3	R
800		5 *Coronae Borealis* α, *Alpheta.*							
May 12	...	15	28	58·37	...	62	49	44·4	M
13	...		28	58·27	...		49	45·6	M
June 3	...		28	58·33	...		49	44·1	M
12	...		28	58·45	...		49	44·7	M
20	...		28	58·25	...		49	44·9	R
July 3	...		28	58·33	...		49	44·4	M
7	...		28	58·33	...		49	41·6	M
801		*Anon.*							
May 16	8·8	15	30	13·88	5	129	33	30·7	R
802		*Anon.*							
May 22	9·7	15	32	22·40	3	116	36	50·3	R
803		*Anon.*							
May 18	9·5	15	33	30·68	4	126	35	24·1	R
804		*W. B. E. XV.* 645.							
June 1	8·2	15	34	26·08	4	102	19	27·3	M
805		*W. B. E. XV.* 675.							
June 3	8·8	15	35	59·71	5	102	41	38·7	M
806		24 *Serpentis* α							
May 12	...	15	37	37·20	...	83	8	50·8	M
13	...		37	37·25	...		8	50·9	M
31	...		37	37·18	6		8	50·6	R
June 29	...		37	37·21	4		8	50·9	R
July 1	...		37	37·15	...		8	50·3	M
807		*Lalande* 28787.							
June 6	...	15	42	9·00	5	92	49	6·2	M
808		*Lalande* 28970.							
June 3	8·0	15	48	0·68	...	70	49	14·7	M
809		7 *Scorpii* δ							
May 10	...	15	52	21·24	...	112	14	5·0	M
11	...		52	21·43	...		14	5·3	M
810		*W. B. E. XV.* 1047.							
May 29	8·0	15	55	59·39	.	91	16	20·2	R
811		8 *Scorpii* β¹							
May 10	...	15	57	35·40	...	109	25	[illegible]	M
June 6	...		57	35·36	...		25	[illegible]	M
July 1	...		57	35·45	...		25	[illegible]	M
12	...		57	35·40	...		25	[illegible]	M

Separate Results of Madras Meridian Circle Observations in 1865.

Number and Date.	Magnitude.	Mean Right Ascension 1865. h.	m.	s.	No. of Wires.	Mean Polar Distance 1865. °	′	″	Observer.
812	*R. P. L. 116—s.p.*								
Oct. 7	...	16	4	30·56	3	4	18	55·2	M
Dec. 21	...		4	31·17	3		18	53·1	R
813	*W. B. E. XVI. 83.*								
July 14	8·0	16	6	6·00	...	102	41	14·8	M
814	1 *Ophiuchi* δ								
May 13	...	16	7	16·36	...	92	20	40·6	M
July 1	...		7	16·21	...		20	40·1	M
12	...		7	16·28	...		20	39·6	M
815	*Anon.*								
May 29	8·0	16	9	12·41	4	112	35	3·3	R
July 18	7·9		9	12·24	4		35	2·9	M
26	7·4		9	12·14	4		35	3·4	M
816	*Anon.*								
May 29	9·7	16	9	46·72	5	112	33	41·8	R
817	*O. A. S. 15504.*								
July 28	8·9	16	11	24·05	4	106	41	35·5	M
818	20 *Scorpii* σ								
June 8	...	16	12	59·31	5	115	15	56·5	M
819	*Anon.*								
July 22	9·4	16	15	49·00	3	152	17	11·8	M
820	*Anon.*								
May 29	9·2	16	18	3·44	...	129	30	41·4	R
821	21 *Scorpii* α, *Antares.*								
July 1	...	16	21	8·01	...	116	7	45·3	M
18	...		21	7·99	...		7	45·6	M
822	*Anon.*								
July 29	8·5	16	22	46·33	..	48	26	57·3	M
823	*Anon.*								
July 22	9·3	16	23	48·90	5	152	15	9·8	M
824	30 *Herculis g Var.* 5.								
July 14	6·2	16	24	12·33	...	47	49	11·0	M
15	6·1		24	12·50	...		49	10·8	M
825	*Anon.*								
June 19	9·2	16	26	28·80	5	130	55	0·1	R
826	*Anon.*								
July 22	9·2	16	28	27·91	3	152	16	33·0	M
827	*Anon.*								
June 19	9·3	16	29	19·30	...	130	54	1·2	R
828	α *Trianguli Australis.*								
July 21	...	16	34	24·34	5	158	46	28·5	M
829	*Anon.*								
July 27	8·0	16	34	41·30	3	134	7	9·8	M
830	40 *Herculis* ζ								
June 24	...	16	36	11·74	...	58	9	3·3	R
July 18	...		36	11·99	4		9	3·2	M
21	...		36	11·91	...		9	3·4	M
22	...		36	11·98	5		9	4·3	M
831	*Anon.*								
June 19	8·8	16	38	48·18	...	130	58	5·5	R
832	*O. A. S. 15952.*								
July 26	9·0	16	39	26·89	3	111	55	30·[illegible]	M

Separate Results of Madras Meridian Circle Observations in 1865.

Number and Date.	Magnitude.	Mean Right Ascension 1865. h. m. s.	No. of Wires.	Mean Polar Distance 1865. ° ' "	Observer.
833		*20 Ophiuchi.*			
May 11	6·3	16 42 22·03	...	100 32 29·5	M
12	...	42 21·18	...	32 29·3	M
834		*Anon.*			
June 19	8·2	16 44 28·76	...	131 1 35·5	R
835		*Anon.*			
July 15	8·5	16 44 41·86	4	130 18 28·1	M
836		*Taylor 7815.*			
June 24	8·7	16 45 33·93	...	130 17 59·5	R
July 27	8·0	45 33·81	...	17 59·6	M
837		*Anon.*			
June 19	9·3	16 47 7·56	...	130 59 43·1	R
838		*Taylor 7832.*			
June 24	9·0	16 47 32·91	4	130 17 36·1	R
July 24	8·9	47 32·63	...	17 35·8	M
28	7·9	47 32·84	...	17 35·9	M
839		*27 Ophiuchi κ.*			
July 12	...	16 51 16·70	...	80 24 45·8	M
18	...	51 16·64	2	24 46·5	M
21	...	51 16·70	...	24 45·9	M
22	...	51 16·66	...	24 45·1	M
840		*Anon.*			
July 26	8·4	16 51 43·63	3	122 53 48·6	M
841		*Anon.*			
July 31	8·6	16 52 9·46	4	122 48 57·6	M
842		*O. A. S. 16233.*			
July 27	8·0	16 54 2·24	3	110 23 38·1	M

Number and Date.	Magnitude.	Mean Right Ascension 1865. h. m. s.	No. of Wires.	Mean Polar Distance 1865. ° ' "	Observer.
843		*Anon.*			
June 19	8·0	16 55 53·67	...	130 54 47·5	R
July 21	9·0	55 53·37	4	54 45·3	M
844		*O. A. S. 16288.*			
July 29	8·0	16 56 31·41	...	119 50 13·0	M
845		*Taylor 7926.*			
July 28	7·9	16 59 50·73	...	136 51 8·5	M
846		*22 Ursae Minoris ε—s.p.*			
Jan. 10	...	16 59 54·98	2	7 44 45·0	M
Feb. 8	...	59 55·72	5	44 49·0	M
847		*35 Ophiuchi η*			
May 11	...	17 2 38·62	...	105 33 17·0	M
848		*Lacaille 7168.*			
June 20	7·8	17 4 40·16	5	128 7 46·6	R
July 27	8·0	4 39·85	5	7 46·9	M
849		*Anon.*			
July 26	9·4	17 5 40·92	..	130 53 47·4	M
850		*Anon.*			
July 29	8·0	17 5 48·39	5	130 50 29·5	M
851		*Anon.*			
May 12	8·5	17 6 15·23	3	137 25 6·5	M
852		*Anon*			
June 19	...	17 7 12·00	3	130 42 36·4	R

Separate Results of Madras Meridian Circle Observations in 1865.

Number and Date.	Magnitude.	Mean Right Ascension 1865. h.	m.	s.	No. of Wires.	Mean Polar Distance 1865. °	′	″	Observer.
853		*64 Herculis α Var. 1.*							
June 24	...	17	8	29·47	5	75	27	12·4	R
July 12	...		8	29·59	3		27	12·7	M
14	...		8	29·46	3		27	13·0	M
15	...		8	29·56	...		27	12·6	M
21	...		8	29·51	...		27	12·1	M
22	...		8	29·50	...		27	12·9	M
24	...		8	29·46	...		27	12·5	M
Aug. 3	...		8	29·51	5		27	12·8	R
854		*Anon.*							
July 31	8·4	17	9	5·35	4	124	4	21·4	M
855		*Taylor* 8017.							
July 28	7·7	17	13	25·03	...	114	45	58·3	M
856		*42 Ophiuchi θ*							
June 24	...	17	13	43·20	5	114	51	41·4	R
July 27	...		13	43·14	...		51	41·7	M
Aug. 3	...		13	43·10	...		51	42·6	R
857		*δ Arae—2nd.*							
July 26	7·0	17	18	54·95	3	150	33	59·1	M
29	7·0		18	55·08	...		33	59·5	M
858		*Anon.*							
June 20	9·2	17	21	17·42	...	130	45	42·7	R
859		*Brisbane* 6091.							
July 22	8·8	17	21	24·80	5	148	27	5·6	M
860		*Anon.*							
July 24	8·8	17	21	36·76	...	130	32	59·7	M
861		*Lacaille* 7315.							
July 28	7·0	17	22	12·66	...	130	55	53·1	M
862		*Anon.*							
July 26	9·1	17	27	4·13	3	150	35	41·3	M
863		*Anon.*							
June 20	8·0	17	28	8·24	...	130	43	30·5	R
July 31	8·0		28	8·23	...		43	31·1	M
864		*55 Ophiuchi α.*							
July 21	...	17	28	40·05	...	77	20	21·1	M
27	...		28	39·99	...		20	21·4	M
Aug. 2	...		28	40·00	...		20	22·2	R
5	...		28	40·01	...		20	21·7	R
865		*55 Serpentis ξ*							
May 12	...	17	29	51·22	2	105	18	37·1	M
13	...		29	51·41	...		18	37·5	M
June 8	...		29	51·49	...		18	37·5	M
Aug. 3	...		29	51·35	...		18	37·8	R
866		*Taylor* 8164.							
July 24	6·9	17	33	8·95	...	128	57	23·2	M
28	6·9		33	9·02	3		57	22·6	M
867		*56 Serpentis ο.*							
May 13	...	17	33	49·69	...	102	47	57·4	M
868		*Anon.*							
July 22	9·0	17	34	16·80	3	128	57	31·1	M
869		*Lacaille* 7406.							
July 29	7·9	17	34	46·53	4	128	44	13·2	M
870		*Anon.*							
July 26	9·2	17	36	8·27	3	150	36	6·0	M
871		*Anon.*							
June 20	8·5	17	37	43·98	...	136	29	30·5	R

Separate Results of Madras Meridian Circle Observations in 1865.

Number and Date.	Magnitude.	Mean Right Ascension 1865. h.	m.	s.	No. of Wires.	Mean Polar Distance 1865. °	′	″	Observer.
872				*Anon.*					
June 19	8·0	17	39	37·60	...	127	21	38·2	R
873				86 *Herculis* μ					
July 14	...	17	41	10·53	...	62	11	53·9	M
15	...		41	10·51	...		11	53·9	M
24	...		41	10·30	3		11	51·1	M
27	...		41	10·53	...		11	54·5	M
Aug. 2	...		41	10·48	...		11	55·0	R
5	...		41	10·46	...		11	54·9	R
11	...		41	10·45	...		11	56·1	R
874				*Anon.*					
July 31	8·5	17	42	8·92	5	118	27	24·5	M
875				*Anon.*					
July 22	8·0	17	43	24·85	...	128	36	13·8	M
28	8·3		43	24·92	...		36	13·1	M
876				*Anon.*					
July 26	8·8	17	50	46·67	3	152	7	33·1	M
877				*Lacaille* 7517.					
July 28	8·0	17	52	29·06	3	149	10	23·6	M
878				*Lacaille* 7518.					
July 24	7·7	17	52	48·71	...	149	12	15·4	M
27	7·8		52	48·47	5		12	16·0	M
879				33 *Draconis* γ, *Etanin.*					
Aug 11	...	17	53	28·08	...	38	29	40·0	R
880				*Taylor* 8355.					
July 22	7·0	17	57	4·10	...	133	25	40·5	M
881				*Anon.*					
July 31	7·7	17	59	25·97	...	150	24	12·2	M
882				*Anon.*					
July 29	8·7	18	1	18·07	...	131	43	35·0	M
883				*Anon.*					
July 28	8·2	18	2	53·69	...	131	44	27·6	M
884				13 *Sagittarii* μ^1					
July 14	...	18	5	41·29	...	111	5	28·0	M
22	...		5	41·37	...		5	28·0	M
24	...		5	41·37	...		5	26·8	M
26	...		5	41·30	3		5	27·6	M
27	...		5	41·37	...		5	27·9	M
Aug. 2	...		5	41·41	4		5	27·4	R
11	...		5	41·37	...		5	28·5	R
885				*Lalande* 33818.					
July 26	8·0	18	15	4·75	...	101	55	21·6	M
28	8·1		15	4·66	...		55	21·3	M
31	8·0		15	4·78	...		55	22·9	M
886				*Lalande* 33845.					
July 27	6·8	18	15	38·91	...	102	4	39·8	M
29	5·9		15	38·87	...		4	38·4	M
Aug. 2	7·0		15	38·81	...		4	39·3	M
887				23 *Ursae Minoris* δ					
Aug. 11	...	18	15	53·36	3	3	23	46·6	R
Sep. 1	...		15	53·72	3		23	45·0	R
				23 *Ursae Minoris* δ—*s.p.*					
Jan 17	...	18	15	53·67	1	3	23	47·2	R
27	...		15	53·61	3		23	43·5	R
Feb. 16	...		15	53·67	5		23	44·4	R
888				*Taylor* 8525.					
July 1	...	18	23	51·60	3	132	24	29·3	M
889				*Taylor* 8551.					
May 13	7·3	18	27	23·23	...	149	13	40·1	M

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890				3 *Lyrae α, Vega.*					
July 29	...	18	32	22·09	..	51	20	26·8	M
31	...		32	22·06	...		20	26·0	M
Aug. 5	...		32	22·06	4		20	25·5	R
17	...		32	21·95	4		20	23·8	R
23	...		32	21·92	...		20	25·2	R
891				*Anon.*					
Aug. 2	9·0	18	34	43·07	...	136	44	54·6	M
892				*Lacaille* 7832.					
July 1	...	18	37	40·93	3	149	5	27·1	M
893				10 *Lyrae β, Var.* 1.					
Aug. 2	...	18	45	5·61	...	56	47	33·1	R
17	...		45	5·71	...		47	33·0	R
18	...		45	5·68	...		47	33·4	R
23	...		45	5·64	...		47	32·7	R
26	...		45	5·58	...		47	32·2	R
Sep. 5	...		45	5·79	..		47	33·2	M
8	...		45	5·72	5		47	31·8	M
894				32 *Sagittarii ν*[1]					
May 13	...	18	46	1·11	5	112	54	28·3	M
895				37 *Sagittarii ξ*[2]					
May 13	...	18	49	40·47	...	111	16	52·6	M
896				39 *Sagittarii o*					
Sep 1	...	18	56	35·28	5	111	56	9·3	R
897				*R. P. L.* 131—*s.p.*					
Mar 2	...	18	58	33·36	2	3	27	54·2	M
898				17 *Aquilae ζ*					
July 21	...	18	59	12·20	...	76	20	5·5	M
26	...		59	12·22			20	6·2	M
28	...		59	12·26	5		20	5·4	M
Aug. 18	...	18	59	12·17	...	76	20	6·5	R
23	...		59	12·23	5		20	6·2	R
25	...		59	12·21	...		20	5·3	R
26	...		59	12·23	...		20	6·0	R
Sep. 8	..		59	12·02	...		20	5·5	M
899				*Anon.*					
Aug. 2	8·5	19	9	25·86	...	120	47	3·0	R
900				*Anon.*					
Sep. 12	8·1	19	10	3·24	...	107	9	34·5	M
901				25 *Aquilae ω*					
July 26	...	19	11	28·73	...	78	38	44·4	M
28	...		11	28·67	...		38	43·9	M
29	...		11	28·67	...		38	44·1	M
Aug. 11	...		11	28·70	...		38	45·0	R
26	...		11	28·70	...		38	43·7	R
28	...		11	28·61	...		38	45·3	R
Sep. 11	...		11	28·71	...		38	45·0	M
902				*Anon.*					
Sep. 2	8·2	19	16	38·60	...	120	52	37·4	R
15	8·1		16	38·51	3		52	40·8	M
903				30 *Aquilae δ*					
July 26	...	19	18	41·33	...	87	9	7·2	M
28	...		18	41·42	...		9	7·4	M
31	...		18	41·40	..		9	7·7	M
Aug 3	...		18	41·45	4		9	6·9	M
24	...		18	41·38	6		9	6·0	R
25	...		18	41·41	...		9	7·4	R
Sep. 1	...		18	41·31	...		9	6·3	R
13	...		18	41·31	.		9	7·3	M
904				*Taylor* 8950.					
Sep. 5		19	22	13·87	5	143	27	58·2	M
905				*Anon.*					
Sep 2	8·5	19	25	0·13		129	35	47·4	R

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Number and Date.	Magnitude.	Mean Right Ascension 1865. h.	m.	s.	No. of Wires.	Mean Polar Distance 1865. °	′	″	Observer.
906		*51 Sagittarii h^1*							
July 31	...	19	27	49·50	...	115	0	44·5	M
907		*52 Sagittarii h^2*							
Aug. 24	...	19	28	29·27	...	115	10	42·3	R
28	...		28	29·38	...		10	42·5	R
Sep. 1	...		28	29·28	...		10	42·7	R
8	...		28	29·29	...		10	43·4	M
15	...		28	29·25	...		10	42·7	M
908		*55 Sagittarii c^2*							
Sep. 1	...	19	34	47·60	...	106	26	15·4	R
2	...		34	47·59	...		26	13·1	R
909		*50 Aquilae γ*							
July. 28	...	19	39	50·31	...	79	42	48·5	M
Aug. 18	...		39	50·36	...		42	49·6	R
25	...		39	50·30	...		42	48·0	R
28	...		39	50·32	...		42	49·2	R
Sep. 5	...		39	50·29	...		42	49·9	M
910		*S Vulpeculae Var. 3.*							
Sep. 1	9·0	19	42	51·64	...	63	2	52·5	R
911		*53 Aquilae α, Altair.*							
July 29	...	19	44	11·68	...	81	29	8·6	M
31	...		44	11·66	...		29	10·4	M
Aug 24	..		44	11·65	..		29	8·1	R
Sep. 2	...		44	11·71	...		29	7·8	R
5	...		44	11·62	...		29	9·7	M
11	...		44	11·72	...		29	9·0	M
912		*60 Aquilae β*							
Aug 28	...	19	48	40·80	...	83	55	41·1	R
Sep. 1	...		48	40·79	...		55	41·5	R
12	..		48	40·70			55	41·8	M
913		*Anon.*							
Sep. 2	9·1	19	53	5·44	5	147	10	40·9	R
914		*Anon.*							
Aug. 24	...	19	55	41·11	5	151	51	30·7	R
915		*Taylor 9208.*							
Sep. 11	...	19	55	45·70	...	122	25	56·3	M
916		*Anon.*							
Aug. 28	8·0	19	56	50·81	...	130	21	24·7	R
Sep. 1	9·2		56	50·86	5		21	22·8	R
12	9·0		56	50·84	3		21	21·3	M
917		*λ Ursae Minoris—s.p.*							
Jan. 21	...	19	59	9·43	1	1	5	44·0	R
Feb. 22	...		59	9·07	1		5	44·3	R
918		*O. A. N. 20046.*							
Aug 28	9·3	20	2	40·74	5	32	23	22·0	R
919		*R Capricorni Var. 1.*							
Sep. 28	9·7	20	3	44·09	5	104	30	54·0	R
920		*R Delphini Var. 2.*							
Sep. 29	9·7	20	8	24·18	4	80	19	7·6	R
921		*O. A. S. 20356.*							
Sep. 15	7·9	20	8	21·95	5	110	25	57·1	M
922		*6 Capricorni α^2*							
Aug 8	...	20	10	33·60	...	102	57	39·9	R
Sep 1	...		10	33·61	...		57	38·0	R
2	...		10	33·66	...		57	39·0	R
5	...		10	33·47	...		57	38·9	M
11	...		10	33·59	...		57	39·4	M
12	...		10	33·65	...		57	39·8	M
14	...		10	33·72			57	40·0	M
16	..		10	33·68			57	39·3	R

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Number and Date.	Magnitude.	Mean Right Ascension 1865. h.	m.	s.	No. of Wires.	Mean Polar Distance 1865. °	′	″	Observer.
923			*Anon.*						
Aug. 21	7·6	20	10	33·90	...	149	8	50·2	R
924			*Anon.*						
Aug. 28	8·0	20	11	18·74	5	106	16	33·2	R
925			*Lalande* 39095.						
July 28	8·4	20	14	41·33	...	106	13	18·3	M
Aug. 28	8·2		14	41·26	5		13	18·2	R
926			*α Pavonis.*						
Aug. 8	...	20	14	56·85	...	147	9	53·1	R
Sep. 16	...		14	56·79	4		9	51·4	R
927			*X Capricorni Var.* 7.						
Sep. 30	9·9	20	15	1·81	5	108	26	23·5	R
928			*Lalande* 39125.						
July 31	8·8	20	15	31·66	..	106	13	10·0	M
929			*Lacaille* 8441.						
Sep. 2	8·0	20	18	16·92	...	121	6	45·9	R
15	8·0		18	16·82	..		6	47·0	M
930			11 *Capricorni ρ*						
Sep. 11		20	21	9·27	...	108	15	28·0	M
12			21	9·36			15	26·1	M
14			21	9·22	..		15	27·1	M
16			21	9·31			15	26·9	R
21			21	9·31	5		15	26·3	R
931			*Anon.*						
Sep. 1	...	20	23	48·11	5	86	1	59·3	R
932			*Lalande* 39525.						
Aug. 29	8·0	20	23	58·84	..	86	2	18·9	R
933			*Anon.*						
Sep. 2	9·3	20	27	16·98	5	121	3	40·2	R
934			*Anon.*						
Aug. 21	9·5	20	30	37·35	4	149	55	10·7	R
935			*S Capricorni Var.* 2.						
Aug. 28	9·0	20	31	0·83	..	109	32	10·1	R
936			*Anon.*						
Sep. 23	8·9	20	35	59·94	1	123	58	17·3	R
937			50 *Cygni α, Deneb.*						
Sep. 5	...	20	36	49·84		45	12	3·0	M
12	...		36	49·75	...		12	3·0	M
13	...		36	49·82	...		12	3·4	M
14	...		36	49·77	..		12	3·1	M
15			36	49·81	..		12	1·6	M
938			2 *Aquarii ε*						
Sep. 2	...	20	40	21·93	...	99	59	15·9	R
939			*W. B. E. XX.* 1024.						
Sep. 25	9·3	20	40	56·30	...	105	21	5·0	R
940			*Anon.*						
Sep. 22	10·5	20	41	12·02	5	105	18	5·8	R
941			*T Aquarii Var.* 4.						
Sep. 1	9·5	20	42	48·61	...	95	38	44·6	R
942			*Lacaille* 8571.						
Aug. 21	..	20	42	59·03	..	150	12	43·6	R
943			*Anon.*						
Aug. 29	9·7	20	43	40·63	...	124	57	56·2	R
Sep. 29	...		43	40·91	...		57	55·6	R

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Number and Date.	Magnitude.	Mean Right Ascension. 1865. h.	m.	s.	No. of Wires.	Mean Polar Distance 1865. °	′	″	Observer.
944			Taylor 9633.						
Sep. 11	7·2	20	41	37·31	5	101	56	33·1	M
Oct. 4	7·6		41	37·47	...		56	34·8	M
945			Anon.						
Sep 23	...	20	47	40·96	...	149	1	3·4	R
946			32 Vulpeculae.						
Sep. 2	...	20	48	48·35	...	62	27	14·2	R
14	..		48	48·30	...		27	15·6	M
15	...		48	48·25	...		27	15·1	M
16	...		48	48·27	...		27	16·8	R
21	.		48	48·31	...		27	14·3	R
30	...		48	48·28	...		27	17·0	R
947			Anon.						
Sep. 22	9·7	20	50	45·82	4	148	45	39·4	R
948			Lacaille 8630.						
Sep. 28	9·2	20	51	39·93	..	126	37	48·3	R
29	...		51	40·28	5		37	49·6	R
949			Lacaille 8635.						
Aug. 28	8·0	20	52	22·60	5	126	34	50·1	R
Sep 11	7·6		52	22·74	4		34	50·4	M
950			Anon.						
Sep 25	9·5	20	54	1·91	...	142	59	0·6	R
951			Taylor 9772.						
Aug 8	8·0	21	0	31·56	5	145	7	3·2	R
952			61 Cygni 1st						
Sep. 21	..	21	0	50·60	...	51	54	45·0	R
25			0	50·76	.		54	47·7	R
29			0	50·60	5		54	47·4	R
953			Anon.						
Sep. 22	9·5	21	2	58·80	5	145	6	29·3	R
954			Lacaille 8712.						
Aug. 21	...	21	4	15·71	5	146	48	17·9	R
Oct. 9	8·4		4	16·20	5		48	18·3	M
10	8·0		4	15·87	...		48	18·3	M
955			64 Cygni 5						
Sep. 21	...	21	7	11·34	5	60	19	30·9	R
28	...		7	11·36	...		19	32·5	R
29	...		7	11·32	...		19	33·8	R
Oct. 2	...		7	11·49	...		19	32·9	M
3	...		7	11·39	...		19	32·1	M
956			Anon.						
Sep. 25	10·5	21	8	20·18	4	110	49	43·3	R
957			Anon.						
Aug 28	9·7	21	11	4·97	5	129	31	41·9	R
Oct. 14	9·5		11	5·17	4		31	42·3	M
958			Brisbane 7012.						
Oct. 12	7·9	21	14	9·52	...	151	45	46·1	M
959			T Capricorni Var 3.						
Aug. 24	8·0	21	14	28·91	...	105	39	55·4	R
Sep. 23	9·5		14	28·77	5		39	56·6	R
960			An·n.						
Sep 22	9·3	21	15	3·75	...	130	15	51·3	R
30	9·8		15	3·94	...		15	52·7	R
Oct 4	9·3		15	3·85	...		15	52·7	M
961			5 Cephei α. Alderamin						
Sep 28	...	21	15	21·15	5	27	[illegible]	5·0	R
29	...		15	21·22	...		29	3·2	R

Separate Results of Madras Meridian Circle Observations in 1865.

Number and Date.	Magnitude.	Mean Right Ascension 1865. h.	m.	s.	No. of Wires.	Mean Polar Distance 1865. °	′	″	Observer.
962 *Anon.*									
Oct 13	9·3	21	18	38·91	...	153	52	19·1	M
963 *Taylor* 9931.									
Sep. 11	6·9	21	18	46·01	...	142	53	8·1	M
14	6·9		18	46·09			53	9·6	M
964 *Anon.*									
Sep. 25	9·2	21	20	10·09	...	130	47	36·0	R
Oct. 14	8·0		20	10·31	...		47	34·9	M
965 *Anon.*									
Sep. 2	9·5	21	23	1·20	...	110	7	12·0	R
22	9·8		23	0·98	6		7	15·7	R
966 22 *Aquarii* β									
Sep 6	...	21	24	27·05	...	96	9	49·4	M
13	...		24	27·02	...		9	49·0	M
21	...		24	26·97			9	48·2	R
28	...		24	27·05	5		9	49·2	R
29	...		24	27·04	...		9	49·1	R
Oct. 2	...		24	27·01	5		9	50·5	M
3	...		24	27·02	...		9	49·6	M
967 *Anon.*									
Oct. 4	8·2	21	25	53·37	...	140	23	11·1	M
668 8 *Cephei* β									
Sep 30		21	26	54·58	...	20	1	52·4	R
969 *Anon.*									
Sep 23	9·0	21	29	32·90	4	134	2	16·0	R
970 *Anon.*									
Sep. 22	9·3	21	33	56·38	...	103	0	8·0	R
25	9·5		33	56·37	5		0	6·6	R
971 *Taylor* 10068.									
Oct. 4	7·6	21	34	24·78	4	134	6	27·0	M
972 *Taylor* 10065.									
Sep. 14	6·4	21	34	32·48	...	145	6	51·4	M
973 *Anon.*									
Oct. 10	9·0	21	34	45·65	...	134	0	11·5	M
974 *S Cephei Var.* 3.									
Sep. 23	8·2	21	36	50·48	3	11	59	2·5	R
Oct. 9	8·0		36	50·88	...		59	1·8	M
11	7·9		36	50·56	..		59	1·0	M
975 8 *Pegasi* ε									
Sep. 6	...	21	37	33·18		80	44	33·5	M
13	...		37	33·27	3		44	33·3	M
29	...		37	33·29	...		44	35·7	R
30	...		37	33·35	...		44	33·6	R
976 μ *Cephei Var.* 1.									
Oct 2	6·4	21	39	22·67	5	31	50	19·3	M
977 *Anon.*									
Aug. 24	10·0	21	40	51·61	3	102	32	10·9	R
Sep. 23	...		40	51·92	5		32	9·7	R
25	10·0		40	51·94	5		32	7·2	R
978 *Taylor* 10126.									
Oct 12	7·0	21	41	3·49	...	137	14	9·7	M
979 *Anon.*									
Oct. 4	9·1	21	42	56·67	.	132	31	9·2	M
980 16 *Pegasi.*									
Sep 22	...	21	46	55·29	5	61	42	34·0	R
28	...		46	55·17	...		42	32·6	R
30	...		46	55·26	...		42	33·4	R

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Number and Date.	Magnitude.	Mean Right Ascension 1865. h. m. s.	No. of Wires.	Mean Polar Distance. 1865. ° ′ ″	Observer.
981		*Lacaille* 8938.			
Sep 6	7·5	21 47 16·56	...	135 53 3·5	M
11	7·5	47 16·53	...	53 3·7	M
Oct. 14	7·9	47 16·76	...	53 3·2	M
982		*Anon.*			
Oct. 10	9·0	21 47 38·80		133 12 13·8	M
11	9·0	47 38·77	..	12 13·6	M
983		*Taylor* 10190.			
Oct. 9	7·0	21 51 10·22	3	146 31 39·7	M
12	6·3	51 10·13	...	31 40·1	M
984		*Anon.*			
Sep. 22	9·3	21 52 50·47	4	136 37 55·9	R
985		*Anon.*			
Sep. 23	9·3	21 53 54·17	...	150 49 0·7	R
986		κ^2 *Indi.*			
Sep. 6	6·5	21 56 20·61	5	150 17 16·4	M
13	6·4	56 20·58	...	17 16·0	M
Oct 3	6·6	56 20·78	...	17 16·5	M
11	6·1	56 20·53	...	17 16·7	M
987		*Anon.*			
Oct. 10	7·7	21 58 15·84	4	136 2 16·7	M
14	8·0	58 15·94	...	2 17·9	M
988		34 *Aquarii* α			
Sep 22	...	21 58 50·89	...	90 58 29·6	R
25	...	58 50·85		58 29·1	R
Oct 4	...	58 50·80		58 29·4	M
16	...	58 50·[illegible]	...	58 28·8	R
17	...	58 50·91		58 29·2	R
Nov 1	...	58 50·98		58 29·1	M
989		α *Gruis.*			
Sep 30	...	21 59 42·6[illegible]	...	137 36 45·7	R

Number and Date.	Magnitude.	Mean Right Ascension 1865. h. m. s.	No. of Wires.	Mean Polar Distance. 1865. ° ′ ″	Observer.
990		*Anon.*			
Sep 23	9·3	22 3 22·69	...	101 8 37·1	R
Oct. 13	9·7	3 22·93	5	8 37·3	M
991		*Anon.*			
Sep. 23	8·5	22 5 27·46	..	101 5 29·5	R
25	9·0	5 27·53	5	5 32·0	R
Oct. 4	9·1	5 27·57	...	5 30·2	M
992		*W. B. E. XXII.* 98.			
Sep. 6	8·0	22 6 24·80	.	90 23 28·8	M
22	7·8	6 24·95	...	23 30·7	R
993		*Anon*			
Oct 11	8·0	22 9 12·06	...	146 27 1·5	M
12	8·9	9 12·07	...	27 1·2	M
994		43 *Aquarii* θ			
Sep. 7	...	22 9 42·34	3	98 27 16·1	M
11		9 42·47	4	27 15·8	M
25	...	9 42·62	5	27 1[illegible]·0	R
30	...	9 42·49	5	27 [illegible]	R
Oct. 2	...	9 42·44	3	27 17·4	M
9	...	9 42·50	...	27 15·7	M
16	...	9 42·47	...	27 1[illegible]·7	R
17	...	9 42·40	...	27 16·[illegible]	R
18	...	9 42·41	...	27 1[illegible]·1	R
Nov. 1	...	9 42·40	5	27 1[illegible]	M
995		*Anon.*			
Oct 10	7·5	22 12 31·18	...	130 37 3[illegible]	M
14	7·9	12 31·13	...	37 3[illegible]	M
996		*Anon.*			
Oct 12	9·0	22 13 13·22	...	148 [illegible] 18·1	M
997		*Anon.*			
Sep 6	8·7	22 15 23·71	3	83 47 7·5	M
28	8·8	15 23·94	...	47 7·0	R

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Number and Date.	Magnitude.	Mean Right Ascension 1865. h.	m.	s.	No. of Wires.	Mean Polar Distance 1865. °	′	″	Observer.
998				*Anon.*					
Oct. 16	10·2	22	16	2·54	3	82	42	16·1	R
999				*Anon.*					
Oct. 4	9·5	22	16	55·00	5	135	58	6·5	M
13	9·5		16	55·23	...		58	6·9	M
1000				*Anon.*					
Oct. 11	9·3	22	18	54·56	5	140	45	27·7	M
1001				55 *Aquarii* ζ—1*st*.					
Nov. 1	...	22	21	52·66	...	90	42	34·8	M
1002				55 *Aquarii* ζ—2*nd*.					
Oct. 9	...	22	21	52·94	3	90	42	38·3	M
12	...		21	52·81	...		42	38·5	M
Nov. 3	...		21	52·67	...		42	38·1	M
1003				*Anon.*					
Sep. 30	9·0	22	21	54·59	...	100	37	29·7	R
1004				57 *Aquarii* σ					
Aug. 8	5	22	23	30·01	5	101	23	6·2	R
Oct. 2	...		23	30·05	...		23	5·6	M
1005				*R. P. L.* 150.					
Sep. 18	...	22	23	35·27	3	4	34	23·8	M
Oct. 14	...		23	34·21	8		34	24·0	M
				R. P. L. 150.—*s.p.*					
Mar. 23	...	22	23	34·69	3	4	34	22·0	R
1006				*Anon.*					
Oct. 10	9·3	22	24	21·48	...	135	41	51·5	M
1007				*Anon.*					
Sep. 6	8·0	22	25	55·73	...	141	29	56·2	M
Oct. 18	...		25	55·97	...		29	56·8	R
1008				62 *Aquarii* η					
Sep. 5	...	22	28	25·06	...	90	48	45·6	M
7	...		28	25·05	5		48	45·1	M
22	...		28	24·96	...		48	46·6	R
23	...		28	25·11	...		48	45·7	R
25	...		28	25·03	...		48	46·0	R
Oct. 4	...		28	25·11	...		48	45·0	M
13	...		28	25·13	...		48	44·2	M
17	...		28	25·02	...		48	46·1	R
23	...		28	25·10	...		48	45·3	R
1009				*T Aquarii Var.* 3.					
Sep. 2	10·0	22	28	48·24	...	98	18	15·2	R
28	10·5		28	48·45	3		18	12·5	R
1010				*Lacaille* 9188.					
Sep. 30	7·0	22	29	57·42	4	130	33	24·6	R
1011				*Taylor* 10477.					
Oct. 11	6·3	22	32	11·34	5	148	7	30·5	M
Nov. 1	...		32	11·33	...		7	33·3	M
1012				*Anon.*					
Oct. 12	9·0	22	34	16·10	...	155	31	2·0	M
14	9·0		34	16·13	5		31	0·4	M
1013				42 *Pegasi* ζ					
Sep. 6	...	22	34	43·84	...	79	52	22·7	M
7	...		34	43·72	...		52	21·9	M
22	...		34	43·67	...		52	22·3	R
23	...		34	43·70	...		52	20·0	R
Oct. 4	...		34	43·85	...		52	21·7	M
9	...		34	43·80	...		52	22·3	M
10	...		34	43·74	...		52	21·9	M
16	...		34	43·67	...		52	22·0	R
18	...		34	43·68	...		52	21·4	R
26	...		34	43·76	...		52	20·4	R
Nov. 3	...		34	43·74	...		52	22·1	M
1014				*Anon.*					
Oct. 27	9·1	22	36	34·60	...	130	26	38·8	R

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Number and Date.	Magnitude.	Mean Right Ascension 1865. h.	m.	s.	No. of Wires.	Mean Polar Distance 1865. °	′	″	Observer.
1015	*Lacaille 9226.*								
Sep. 2	7·0	22	37	42·80	5	145	46	18·9	R
1016	*Anon.*								
Oct. 13	8·9	22	40	55·86	...	142	37	44·4	M
1017	*Anon.*								
Sep. 23	9·0	22	44	44·86	5	130	0	58·6	R
Oct. 3	8·0		44	45·15	...		0	58·4	M
4	8·0		44	45·04	...		0	59·2	M
1018	*Anon.*								
Oct. 11	9·6	22	44	47·73	...	145	32	43·8	M
16	9·6		44	47·71	...		32	44·5	R
1019	*Anon.*								
Sep. 25	9·0	22	44	54·19	4	148	34	13·0	R
1020	*Anon.*								
Oct. 13	9·0	22	49	16·76	...	135	27	35·6	M
1021	*24 Piscis Australis α, Fomalhaut.*								
Oct. 23	...	22	50	11·10	...	120	20	14·4	R
26	...		50	11·14	...		20	14·1	R
28	...		50	11·18	...		20	15·8	R
1022	*Anon.*								
Oct. 27	8·9	22	50	23·76	...	110	50	46·0	R
Nov. 8	7·3		50	22·82	...		50	44·3	M
1023	*Anon.*								
Sep. 28	9·3	22	51	29·73	5	151	32	57·9	R
Oct. 16	9·0		51	30·11	5		32	58·2	R
1024	*Lacaille 9353.*								
Oct. 3	6·5	22	56	30·82	...	144	41	17·7	M
9	6·6		56	30·73	..		41	18·4	M

Number and Date.	Magnitude.	Mean Right Ascension 1865. h.	m.	s.	No. of Wires.	Mean Polar Distance 1865. °	′	″	Observer.
1025	*54 Pegasi α, Markab.*								
Sep. 13	...	22	58	2·21	5	75	31	15·5	M
23	...		58	2·13	...		31	15·3	R
25	...		58	2·10	...		31	15·9	R
26	...		58	2·24	...		31	15·9	R
Oct. 11	...		58	2·15	...		31	15·2	M
12	...		58	2·33	...		31	14·6	M
14	...		58	2·38	...		31	14·7	M
18	...		58	2·22	...		31	14·6	R
23	...		58	2·18	...		31	14·4	M
24	...		58	2·29	...		31	15·0	R
26	...		58	2·14	...		31	15·8	R
31	...		58	2·20	...		31	16·4	R
1026	*Anon.*								
Oct. 13	8·9	22	59	24·02	...	150	21	47·5	M
Nov. 11	8·3		59	23·77	5		21	47·0	M
1027	*R Pegasi Var. 2.*								
Sep. 28	10·2	22	59	52·25	5	80	11	7·8	R
29	9·8		59	52·31	...		11	9·4	R
Oct. 16	10·5		59	52·12	5		11	7·8	R
1028	*Anon.*								
Sep. 28	9·7	23	4	21·80	4	130	48	59·1	R
Oct. 27	9·5		4	21·96	...		48	55·8	R
1029	*Lacaille 9394.*								
Oct. 9	8·0	23	5	13·56	...	145	50	21·0	M
Nov. 10	8·0		5	13·42	...		50	19·8	M
1030	*Lacaille 9405.*								
Oct. 14	8·0	23	7	30·06	5	150	25	46·5	M
23	8·0		7	30·15	...		25	45·2	R
1031	*Anon.*								
Nov. 13	8·8	23	9	11·74	4	150	30	59·3	M
1032	*Lacaille 9423.*								
Nov. 15	7·0	23	9	58·87	5	151	44	15·2	M

Separate Results of Madras Meridian Circle Observations in 1865.

Number and Date.	Magnitude.	Mean Right Ascension 1865. h.	m.	s.	No. of Wires.	Mean Polar Distance 1865. °	′	″	Observer.
1033	6 *Piscium* γ								
Sep. 26	...	23	10	10·06	5	87	27	19·1	R
28	...		10	9·97	...		27	18·4	R
Oct. 2	...		10	9·88	...		27	18·7	M
3	...		10	9·88	...		27	17·6	M
10	...		10	9·85	...		27	16·6	M
11	...		10	9·90	...		27	18·4	M
12	...		10	9·90	...		27	18·0	M
13	...		10	9·95	...		27	17·2	M
24	...		10	10·08	...		27	18·3	R
26	...		10	9·98	...		27	17·3	R
28	...		10	10·08	...		27	15·4	R
Nov. 3	...		10	9·81	...		27	17·7	M
1034	*Anon.*								
Oct. 16	9·7	23	11	9·53	...	127	25	15·5	R
27	9·9		11	9·40	5		25	15·4	R
1035	*Anon.*								
Oct. 16	9·5	23	12	16·57	3	127	24	33·1	R
27	9·7		12	16·44	5		24	32·7	R
1036	*Anon.*								
Sep. 26	9·0	23	15	20·49	...	130	45	56·6	R
Nov. 11	8·7		15	20·51	...		45	55·8	M
1037	*Taylor* 10748.								
Nov. 14	6·0	23	17	36·28	...	147	35	25·4	M
1038	8 *Piscium* κ								
Sep. 26	...	23	20	0·60	5	89	29	0·5	R
Oct. 2	...		20	0·60	...		29	0·5	M
3	...		20	0·79	...		29	0·0	M
10	...		20	0·77	...		28	59·9	M
11	...		20	0·71	...		29	0·5	M
12	...		20	0·68	...		28	58·6	M
13	...		20	0·58	...		28	59·1	M
14	...		20	0·72	...		29	0·4	M
21	...		20	0·61	...		29	0·5	R
25	...		20	0·67	...		28	59·1	R
Nov. 1	...		20	0·68	...		29	0·0	M
3	...		20	0·70	...		29	0·1	M
8	...		20	0·67	...		28	59·1	M
1039	*Anon.*								
Nov. 13	7·9	23	20	48·61	...	88	51	22·2	M
15	7·8		20	48·61	...		51	22·0	M
1040	*Anon.*								
Oct. 27	9·6	23	21	6·58	5	137	27	25·8	R
1041	*Anon.*								
Sep. 29	9·0	23	23	40·77	...	148	57	16·1	R
Oct. 5	8·0		23	40·84	5		57	16·2	M
1042	*Anon.*								
Nov. 14	9·6	23	25	32·02	...	129	51	40·3	M
1043	*Taylor* 10804.								
Nov. 10	6·9	23	27	33·03	4	147	34	17·0	M
1044	*Anon.*								
Sep. 26	8.8	23	27	49·20	5	148	14	27·3	R
Oct. 27	8·5		27	49·28	...		14	27·0	R
1045	*Anon.*								
Sep. 22	8·7	23	29	52·93	...	148	51	59·1	R
Oct. 13	7·9		29	53·12	...		51	59·0	M
21	8·8		29	53·33	5		51	59·3	R
1046	*Anon.*								
Nov. 15	9·1	23	29	57·86	...	137	19	46·3	M
1047	*Anon.*								
Sep. 22	8·8	23	30	27·99	4	148	56	22·3	R
Oct. 21	8·8		30	28·41	5		56	23·0	R
1048	17 *Piscium* ι								
Sep. 5	...	23	33	0·37	...	86	6	19·2	M
6	...		33	0·41	...		6	19·3	M
26	...		33	0·38	...		6	19·6	R

Separate Results of Madras Meridian Circle Observations in 1865.

Number and Date.	Magnitude.	Mean Right Ascension 1865. h.	m.	s.	No. of Wires.	Mean Polar Distance 1865. °	′	″	Observer.
Oct. 9	...	23	33	0·29	...	85	6	19·5	M
14	...		33	0·31	...		6	19·6	M
16	...		33	0·38	...		6	19·3	R
23	...		33	0·43	...		6	18·3	R
25	...		33	0·38	...		6	18·7	R
27	...		33	0·34	...		6	18·7	R
31	...		33	0·42	...		6	19·6	R
Nov. 8	...		33	0·48	...		6	17·9	M
1049		*Lacaille* 9583.							
Oct. 18	...	23	38	53·88	...	128	43	33·1	R
1050		19 *Piscium.*							
Sep. 5	...	23	39	29·57	...	87	15	43·2	M
6	...		39	29·53	...		15	44·0	M
1051		*Anon.*							
Oct. 18	...	23	41	7·84	...	128	46	20·3	R
1052		δ *Sculptoris.*							
Oct. 5	...	23	41	53·38	...	118	52	37·3	M
25	...		41	53·41	...		52	37·0	R
27	...		41	53·35	6		52	36·4	R
Nov. 10	...		41	53·31	...		52	37·0	M
13	...		41	53·38	...		52	36·9	M
1053		*Anon.*							
Nov. 11	8·7	23	43	6·83	...	150	49	37·0	M
1054		*Lalande* 46650.							
Sep. 30	9·2	23	43	9·20	...	88	18	53·8	R
Oct. 2	9·2		43	9·14	...		18	54·8	M
24	9·2		43	9·08	...		18	55·7	R
Nov. 8	9·2		43	9·05	...		18	53·7	M
1055		*Anon.*							
Sep. 23	9·5	23	47	46·65	5	128	50	37·3	R
1056		*Anon.*							
Sep. 26	9·3	23	50	0·41	...	148	53	5·7	R
Oct. 27	8·8		50	0·41	5		53	4·5	R
1057		*Anon.*							
Oct. 5	8·8	23	51	48·58	...	152	20	13·6	M
1058		28 *Piscium* ω							
Oct. 3	...	23	52	22·78	...	83	53	3·0	M
4	...		52	22·73	...		53	2·4	M
9	...		26	22·79	...		53	3·9	M
10	...		52	22·80	...		53	3·8	M
11	...		52	22·87	...		53	3·6	M
12	...		52	22·73	...		53	2·4	M
28	...		52	22·80	...		53	3·3	R
31	...		52	22·80	...		53	4·7	R
Nov. 10	...		52	22·77	...		53	3·4	M
1059		*Lacaille* 9686.							
Sep. 30	7·0	23	53	35·67	...	143	50	56·2	R
1060		*Anon.*							
Sep. 22	9·5	23	56	1·49	...	130	16	41·6	R
Nov. 11	9·0		56	1·61	...		16	41·6	M
1061		*Anon.*							
Oct. 24	...	23	56	10·88	...	124	7	26·3	R
Nov. 8	8·0		56	10·78	3		7	25·8	M
1062		*Taylor* 10994.							
Sep. 26	9·0	23	57	50·35	...	147	35	41·2	R
Oct. 13	8·0		57	50·70	...		35	42·4	M
27	8·2		57	50·47	...		35	39·3	R
1063		*Lacaille* 9721.							
Sep. 23	6·5	23	59	18·90	...	130	49	34·1	R
Oct. 10	6·9		59	19·11	...		49	34·1	M

MEAN POSITIONS OF STARS

OBSERVED WITH THE

MADRAS MERIDIAN CIRCLE

IN THE YEAR

1865

REDUCED TO JANUARY 1, OF THAT YEAR.

Mean Positions of Stars for 1865 January 1st.

Number.	Star.	Magnitude.	Estimations.	Mean Right Ascension.			Mean Polar Distance.			Observations.	Fraction of Year.
				h.	*m.*	*s.*	°	′	″		
1	Taylor 11011	7·0	1	0	0	31·84	147	35	17·4	1	0·82
2	... ...	9·0	4	0	0	45·00	151	23	33·9	4	0·85
3	21 Androm. a (*Alpherat*)...	2·0	...	0	1	24·81	61	39	18·6	4	0·84
4	Lacaille 9739	7·6	1	0	2	7·30	130	29	19·0	1	0·78
5	Taylor 7	7·1	1	0	3	0·31	93	18	45·0	1	0·86
6	Lacaille 9757	7·8	3	0	4	28·20	131	7	27·6	3	0·77
7	Lacaille 3	6·7	1	0	6	9·36	148	39	55·7	1	0·86
8	... ...	9·1	2	0	6	14·27	131	7	58·4	2	0·74
9	88 Pegasi γ (*Algenib*) ..	3·0	...	0	6	17·16	75	34	2·3	7	0·82
10	... ...	9·3	3	0	6	41·54	131	6	42·3	3	0·76
11	... ...	8·9	...	0	9	25·81	149	31	30·3	1	0·79
12	... ...	9·1	2	0	9	36·23	153	54	49·0	2	0·78
13	... ...	8·6	3	0	10	37·71	152	0	33·7	3	0·84
14	Lacaille 41	8·0	1	0	12	36·74	130	51	42·8	1	0·87
15	41 Piscium *d*	5·6	...	0	13	39·14	82	33	35·3	3	0·81
16	Lacaille 61	7·0	1	0	16	5·66	130	0	38·5	1	0·86
17	R Andromedæ Var. 1 ...	6·7	3	0	16	54·58	52	10	15·8	3	0·91
18	... ...	9·5	1	0	17	40·60	149	34	51·7	1	0·82
19	... ...	9·1	2	0	18	33·95	152	57	18·5	2	0·87
20	Lacaille 81	7·3	3	0	18	41·31	130	0	20·1	4	0·81
21	10 Ceti	6·7	...	0	19	42·00	90	47	53·7	1	0·91
22	12 Ceti	5·4	...	0	23	8·05	94	42	14·1	11	0·85
23	... ...	7·7	2	0	27	10·07	76	13	48·1	2	0·81
24	Lacaille 132	9·0	...	0	27	21·46	151	53	37·1	1	0·79
25	Lalande 970	7·0	4	0	31	7·83	80	54	40·0	4	0·81
26	... .	8·2	3	0	31	29·36	82	28	2·2	3	0·89
27	Lalande 1010	9·0	1	0	32	18·53	82	32	6·9	1	0·81
28	18 Cassiopeæ a Var. 2 ...	2·2	...	0	32	51·73	34	12	14·6	2	0·86
29	.. ..	9·3	1	0	35	1·75	83	28	34·8	1	0·81
30	16 Ceti β	2·1	..	0	36	48·65	108	43	42·0	7	0·87
31	W. B. E. 0 . 628 ...	9·3	...	0	38	57·06	93	40	9·6	1	0·79
32	W. B. E. 0 . 705 ..	7·9	1	0	41	11·31	94	26	57·2	1	0·93
33	Taylor 235	5·7	1	0	41	18·18	85	24	52·3	1	0·86
34	63 Piscium δ	4·6	1	0	41	40·84	83	9	1·1	2	0·75
35	W. B. E. 0 . 716 ...	9·2	2	0	41	44·56	94	36	30·0	2	0·84

17.—R Andromedæ Var. 1.—Period 405 days.—Range, 6th to 13th magnitude.
25.—27.—Comparison stars for Ariadne in 1861.
28.—18 Cassiopeæ a Var. 2 (*Shedir*).—Irregular, Range, 2·2 to 2·8 magnitude.
31.—32.—35.—Comparison stars for Europa in 1861.

Observed with the Madras Meridian Circle in that Year.

Number.	Star.	In Right Ascension.			In Polar Distance.			Number in B. A. C.
		Annual Precession.	Secular Variation.	Proper Motion.	Annual Precession.	Secular Variation.	Proper Motion.	
		s	s	s	"	"		
1	Taylor 11010... ..	+ 3·0672	− 0·0452	...	− 20·055	+ 0·010	...	8377
2	... .	+ 3·0641	− 0·0520	...	− 20·055	+ 0·010	...	...
3	21 Andromedæ α ..	+ 3·0765	+ 0·0182	+ 0·009	− 20·055	+ 0·013	+ 0·15	4
4	Lacaille 9739 ...	+ 3·0615	− 0·0233	...	− 20·054	+ 0·013	...	...
5	Taylor 7	+ 3·0711	+ 0·0001	..	− 20·053	+ 0·015	...	12
6	Lacaille 9757 ...	+ 3·0493	− 0·0236	...	− 20·051	+ 0·018	...	22
7	Lacaille 3	+ 3·0131	− 0·0440	...	− 20·048	+ 0·021	...	...
8	... ...	+ 3·0403	− 0·0233	...	− 20·048	+ 0·021	...	...
9	88 Pegasi γ (*Algenib*)	+ 3·0814	+ 0·0100	0·000	− 20·048	+ 0·022	+ 0·02	26
10	... - ...	+ 3·0380	− 0·0232	...	− 20·046	+ 0·022	...	...
11	... .	+ 2·9786	− 0·0452	...	− 20·038	+ 0·027	...	...
12	... ...	+ 2·9578	− 0·0540	...	− 20·037	+ 0·027	...	...
13	... .	+ 2·9555	− 0·0498	...	− 20·034	+ 0·029	...	...
14	Lacaille 41	+ 3·0085	− 0·0221	...	− 20·024	+ 0·033	...	...
15	41 Piscium d	+ 3·0825	+ 0·0066	− 0·002	− 20·019	+ 0·036	− 0·01	66
16	Lacaille 61	+ 2·9933	− 0·0209	...	− 20·006	+ 0·040	...	...
17	R Andromedæ Var. 1.	+ 3·1486	+ 0·0271	...	− 20·000	+ 0·043	...	...
18	... .	+ 2·8966	− 0·0419	...	− 19·995	+ 0·042	...	...
19	.. ..	+ 2·8601	− 0·0472	...	− 19·989	+ 0·043	...	...
20	Lacaille 81	+ 2·9807	− 0·0205	...	− 19·989	+ 0·044	...	...
21	10 Ceti	+ 3·0705	+ 0·0026	+ 0·005	− 19·981	+ 0·047	+ 0·03	95
22	12 Ceti	+ 3·0609	+ 0·0008	− 0·002	− 19·954	+ 0·055	+ 0·01	112
23	.. ..	+ 3·1109	+ 0·0109	...	− 19·914	+ 0·063	...	..
24	Lacaille 132	+ 2·7741	− 0·0413	...	− 19·912	+ 0·057	...	...
25	Lalande 970	+ 3·1011	+ 0·0085	...	− 19·870	+ 0·070	..	...
26	.. ..	+ 3·0963	+ 0·0076	...	− 19·866	+ 0·071	...	...
27	Lalande 1010 ..	+ 3·0968	+ 0·0076	...	− 19·855	+ 0·072	..	...
28	18 Cassiopeæ α Var. 2.	+ 3·3531	+ 0.0553	+ 0·006	− 19·849	+ 0·080	+ 0·04	169
29	.. ..	+ 3·0954	+ 0·0073	...	− 19·821	+ 0·078	...	.
30	16 Ceti β	+ 2·9996	− 0·0055	+ 0·013	− 19·797	+ 0·080	− 0·02	196
31	W. B. E. 0 . 628 ...	+ 3·0578	+ 0·0020	..	− 19·795	+ 0·080	...	...
32	W. B. E. 0 . 705 ..	+ 3·0636	+ 0·0019	...	− 19·731	+ 0·087	...	...
33	Taylor 235	+ 3·0913	+ 0·0066	..	− 19·730	+ 0·089	..	221
34	63 Piscium δ	+ 3·1011	+ 0·0077	+ 0·003	− 19·724	+ 0·090	+ 0·05	222
35	W. B. E. 0 . 716 ..	+ 3·0526	+ 0·0018	..	− 19·723	+ 0·088	.	.

22. —Proper motions from "*Greenwich Catalogue*, 1872."

Mean Positions of Stars for 1865 January 1st.

Number.	Star.	Magnitude.	Estimations.	Mean Right Ascension.			Mean Polar Distance.			Observations.	Fraction of Year.
				h.	m.	s.	°	′	″		
36	... ...	9·2	1	0	42	58·13	89	4	1·4	2	0·84
37	... ...	9·0	1	0	47	38·53	153	39	57·1	1	0·84
38	λ^1 Toucani	6·2	3	0	48	0·22	153	36	21·0	3	0·89
39	... ...	9·1	2	0	48	57·82	133	46	56·0	2	0·81
40	Lacaille 264	7·9	1	0	50	47·29	154	41	46·1	1	0·93
41	2 Ursæ Minoris	4·5	...	0	50	51·64	4	28	8·9	1	0·81
42	W. B. E. 0 . 897 ...	9·2	1	0	52	15·52	92	49	38·7	1	0·91
43	Lacaille 271	7·4	2	0	52	41·03	151	25	38·3	2	0·89
44	70 Piscium	6·9	1	0	55	5·80	82	47	18·3	3	0·83
45	71 Piscium ε	4·5	..	1	55	56·30	82	50	15·3	13	0·84
46	... ...	8·0	3	1	5	48·39	129	52	43·7	3	0·92
47	86 Piscium ζ, 1st... ...	5·4	...	1	6	40·76	83	8	22·6	4	0·83
48	... ...	8·0	2	1	7	28·42	152	59	45·1	2	0·93
49	1 Ursæ Minoris α (*Polaris*)	2·2	...	1	9	37·58	1	24	38·2	11	0·58
50	... ...	9·7	3	1	10	11·68	81	40	26·5	3	0·85
51	... ...	8·3	3	1	10	21·74	153	51	45·4	3	0·83
51	... ...	9·1	1	1	12	10·44	152	17	16·2	1	0·95
53	... ...	8·0	2	1	17	3·18	96	31	5·8	2	0·90
54	45 Ceti θ^1	3·8	...	1	17	16·49	98	52	52·9	6	0·91
55	... ...	7·9	1	1	18	55·35	151	20	5·0	1	0·93
56	... ...	8·4	1	1	23	31·24	87	43	40·2	1	0·76
57	... ...	10·0	1	1	24	2·87	90	5	55·3	1	0·87
58	99 Piscium η	4·5	...	1	24	15·77	75	21	6·2	9	0·90
59	.. ..	9·1	3	1	29	3·30	150	42	16·2	3	0·89
60	α Eridani (*Achernar*) ...	1·0	...	1	32	41·15	147	55	26·6	5	0·88
61	106 Piscium ν	4·7	...	1	34	24·43	85	11	40·3	9	0·89
62	Lacaille 503	7·9	1	1	35	45·40	151	41	1·1	1	0·95
63	Lacaille 507	6·7	1	1	37	10·69	151	28	14·2	1	0·84
64	... ...	9·0	1	1	38	35·54	152	2	36·6	1	0·76
65	Lacaille 516	7·1	1	1	40	0·38	151	41	50·0	1	0·98
66	Taylor 590	5·9	...	1	41	26·60	86	50	23·3	1	0·83
67	... ...	9·3	2	1	41	50·44	130	14	56·4	2	0·89
68	V Piscium Var. 5 . ..	10·3	1	1	47	10·43	81	52	59·0	1	0·81
69	6 Arietis β	2·8	...	1	47	11·21	69	51	13·6	8	0·92
70	Lacaille 582	7·4	1	1	50	50·82	145	44	4·0	3	0·97

41.—B. P. L. 12.
42.—Comparison star for Europa in 1862.
57.—Comparison star for Thetis in 1865.
68.—V Piscium Var. 5.—Supposed to vary between the 6th and 9th magnitudes.

Observed with the Madras Meridian Circle in that Year.

Number.	Star.	In Right Ascension.			In Polar Distance.			Number in B. A. C.
		Annual Precession.	Secular Variation.	Proper Motion.	Annual Precession.	Secular Variation.	Proper Motion.	
		s	s	s	"	"		
36	.. ..	+ 3·0762	+ 0·0048	...	− 19·703	+ 0·092	...	..
37	... ...	+ 2·5146	− 0·0328	...	− 19·623	+ 0·084	...	...
38	λ^1 Toucani	+ 2·5120	− 0·0327	...	− 19·616	+ 0·084	...	231
39	—	+ 2·8004	− 0·0183	...	− 19·599	+ 0·095	...	...
40	Lacaille 264	+ 2·4505	− 0·0318	...	− 19·565	+ 0·087	...	..
41	2 Ursæ Minoris ...	+ 6·8370	+ 1·2896	+ 0·065	− 19·563	+ 0·230	+ 0·01	262
42	W. B. E. 0 . 697 ...	+ 3·0572	+ 0·0034	...	− 19·536	+ 0·109	..	..
43	Lacaille 271	+ 2·5120	− 0·0289	...	− 19·527	+ 0·092	...	276
44	70 Piscium	+ 3·1126	+ 0·0086	− 0·003	− 19·478	+ 0·116	+ 0·17	281
45	71 Piscium ε	+ 3·1123	+ 0·0087	− 0·002	− 19·461	+ 0·119	0·00	288
46	... .	+ 2·7557	− 0·0135	...	− 19·234	+ 0·122	...	...
47	80 Piscium 3, 1st ..	+ 3·1182	+ 0·0090	+ 0·008	− 19·212	+ 0·139	+ 0·07	368
48	... .	+ 2·3108	− 0·0225	..	− 19·192	+ 0·106	...	...
49	1 Urs. Min. α (*Polaris.*)	+ 19·3212	+ 13·4056	+ 0·065	− 19·136	+ 0·851	0·00	360
50	... ...	+ 3·1300	+ 0·0099	...	− 19·121	+ 0·146	...	...
51	.. ..	+ 2·2487	− 0·0209	...	− 19·117	+ 0·107	...	...
52	.. ..	+ 2·2827	− 0·0203	...	− 19·066	+ 0·111	...	...
53	... ...	+ 3·0217	+ 0·0028	...	− 18·931	+ 0·153	...	.
54	45 Ceti θ^1	+ 3·0020	+ 0·0018	− 0·007	− 18·926	+ 0·154	+ 0·22	420
55	... ...	+ 2·2465	− 0·0173	...	− 18·878	+ 0·119	...	...
56	.. ... —	+ 3·0910	+ 0·0073	...	− 18·738	+ 0·169	...	...
57	... ...	+ 3·0705	+ 0·0063	...	− 18·721	+ 0·170	.	..
58	99 Piscium η	+ 3·1976	+ 0·0141	0·000	− 18·715	+ 0·177	0·00	453
59	... .	+ 2·1603	− 0·0135	...	− 18·560	+ 0·128	..	...
60	α Eridani (*Achernar*)	+ 2·2327	− 0·0128	+ 0·008	− 18·438	+ 0·137	+ 0·07	507
61	106 Piscium ν ...	+ 3·1178	+ 0·0091	− 0·004	− 18·378	+ 0·191	− 0·04	518
62	Lacaille 503	+ 2·0653	− 0·0104	...	− 18·330	+ 0·130	-	
63	Lacaille 507	+ 2·0602	− 0·0099	...	− 18·279	+ 0·132	..	531
64	... .	+ 2·0215	− 0·0089	...	− 18·228	+ 0·131	...	...
65	Lacaille 516	+ 2·0227	− 0·0085	...	− 18·176	+ 0·133	—	543
66	Taylor 590	+ 3·1022	+ 0·0083	...	− 18·122	+ 0·202	...	551
67	... .	+ 2·5849	− 0·0084	...	− 18·102	+ 0·170	—	..
68	V Piscium Var. 5 —	+ 3·1581	+ 0·0111	...	− 17·908	+ 0·216	.	—
69	6 Arietis β	+ 3·2932	+ 0·0183	+ 0·002	− 17·902	+ 0·236	+ 0·11	577
70	Lacaille 582 .	+ 2·1587	− 0·0081	...	− 17·751	+ 0·156	..	.

44.—Proper motion in Polar Distance from "*Greenwich Catalogue* 1872."
47.—Proper motions from "*Greenwich Catalogue* 1872."

Mean Positions of Stars for 1865 January 1st.

Number.	Star.	Magnitude.	Estimations.	Mean Right Ascension.			Mean Polar Distance.			Observations.	Fraction of Year.
				h.	m.	s.	°	′	″		
71	Lacaille 593	8·2	3	1	52	4·64	149	7	55·2	3	0·88
72	... ...	8·1	1	1	54	55·60	130	55	24·3	1	0·87
73	Taylor 673...	6·4	3	1	56	18·61	72	23	50·0	3	0·92
74	... ...	9·7	1	1	59	25·62	150	2	15·7	1	0·81
75	13 Arietis α	2·0	...	1	59	34·07	67	10	41·0	11	0·91
76	Lacaille 630	6·9	3	1	59	50·87	145	31	43·2	3	0·85
77	... ...	9·3	1	2	1	5·29	149	48	46·2	1	0·82
78	Taylor 697...	7·0	1	2	1	47·94	145	43	42·1	1	0·76
79*	65 Ceti ξ^1	4·4	...	2	5	50·79	81	47	17·4	4	0·84
80	Lacaille 677	7·9	3	2	6	57·69	149	47	19·3	3	0·81
81	... ...	9·5	2	2	7	0·84	148	30	13·8	2	0·89
82	Taylor 754	8·6	3	2	9	13·79	147	58	36·9	3	0·91
83	67 Ceti	5·5	...	2	10	15·02	97	2	46·2	12	0·85
84	... ...	9·5	3	2	14	0·04	148	26	40·3	3	0·85
85	... ...	7·8	1	2	16	25·28	161	18	7·1	1	0·87
86	Taylor 818...	8·1	2	2	19	10·04	147	25	43·6	2	0·85
87	... ...	8·9	1	2	20	12·69	146	33	26·1	1	0·92
88	73 Ceti ξ^2	4·4	...	2	20	59·00	82	8	49·0	11	0·82
89	λ Horologii	6·1	2	2	21	7·85	150	55	5·0	2	0·94
90	... ...	9·2	1	2	24	16·73	152	35	21·9	1	0·91
91	... ...	8·2	3	2	24	30·03	147	2	20·4	3	0·95
92	Lacaille 782	7·0	2	2	26	14·84	148	24	30·7	2	0·90
93	... .	9·8	1	2	29	12·85	147	37	13·9	1	0·96
94	... ...	10·2	3	2	30	15·22	85	0	19·8	3	0·91
95	W. B. N. II. 556... ...	8·2	8	2	33	13·53	74	53	43·2	3	0·91
96	... ...	8·8	1	2	34	2·15	74	56	17·2	1	0·95
97	Lacaille 849, (2nd) ..	8·0	4	2	36	7·14	150	8	50·4	4	0·71
98	86 Ceti γ	3·6	...	2	36	18·44	87	30	7·7	9	0·95
99	Lacaille 868	8·0	1	2	38	34·50	147	12	55·3	1	0·87
100	W. B. N. II. 676... ...	7·9	1	2	40	11·43	75	30	8·4	1	0·92
101	... ...	8·0	1	2	43	10·64	148	0	22·9	1	0·84
102	W. B. N. II. 733.. ...	8·8	3	2	43	22·45	76	1	50·9	3	0·63
103	... ...	9·2	1	2	44	30·97	148	13	37·2	1	0·95
104	... ...	9·8	1	2	45	18·82	76	27	40·0	1	0·96
105	Taylor 969...	7·2	1	2	45	40·82	74	4	13·0	1	0·96

95.—100.—102.—105.—Comparison stars for Victoria in 1861.

Observed with the Madras Meridian Circle in that Year.

Number.	Star.	In Right Ascension.			In Polar Distance.			Number in B. A. C.
		Annual Precession.	Secular Variation.	Proper Motion.	Annual Precession.	Secular Variation.	Proper Motion.	
		s	s	s	"	"		
71	Lacaille 593	+ 2·0213	− 0·0061		− 17·704	+ 0·147	...	...
72	... .	+ 2·5150	− 0·0069	...	− 17·586	+ 0·184	...	.
73	Taylor 673	+ 3·2783	+ 0·0167	...	− 17·527	+ 0·269	...	632
74	.. ..	+ 1·9175	− 0·0031	...	− 17·393	+ 0·146	...	...
75	13 Arietis α	+ 3·3525	+ 0·0203	+ 0·012	− 17·387	+ 0·252	+ 0·15	648
76	Lacaille 630	+ 2·0995	− 0·0069	...	− 17·375	+ 0·160	...	...
77	... ...	+ 1·9137	− 0·0028	...	− 17·321	+ 0·148	...	..
78	Taylor 697	+ 2·0777	− 0·0053	...	− 17·289	+ 0·161	...	659
79	65 Ceti ξ[1]	+ 3·1728	+ 0·0116	− 0·004	− 17·106	+ 0·249	+ 0·04	684
80	Lacaille 677	+ 1·8641	− 0·0011	...	− 17·055	+ 0·150	..	..
81	... .	+ 1·9169	− 0·0021	...	− 17·054	+ 0·154	...	...
82	Taylor 754	+ 1·9296	− 0·0021	...	− 16·950	+ 0·157	...	..
83	67 Ceti	+ 2·9831	+ 0·0049	+ 0·003	− 16·902	+ 0·242	+ 0·14	704
84	... .	+ 1·8704	− 0·0005	...	− 16·723	+ 0·158	...	...
85	.. ..	+ 1·7026	+ 0·0036	...	− 16·606	+ 0·146	...	...
86	Taylor 818	+ 1·8778	− 0·0001	...	− 16·470	+ 0·163	...	753
87	... ...	+ 1·9102	− 0·0005	...	− 16·418	+ 0·167	...	...
88	73 Ceti ξ[2]	+ 3·1784	+ 0·0117	+ 0·001	− 16·380	+ 0·276	+ 0·02	760
89	λ Horologii	+ 1·6835	+ 0·0044	...	− 16·371	+ 0·149	...	762
90	... ...	+ 1·5540	+ 0·0083	...	− 16·211	+ 0·141	...	...
91	... ...	+ 1·8565	+ 0·0008	...	− 16·199	+ 0·167	...	..
92	Lacaille 782	+ 1·7769	+ 0·0026	...	− 16·108	+ 0·161	...	...
93	... ...	+ 1·7943	+ 0·0024	...	− 15·952	+ 0·166	...	...
94	.. ..	+ 3·1429	+ 0·0103	...	− 15·950	+ 0·285	...	...
95	W. B. N. II. 656 ...	+ 3·2959	+ 0·0154	...	− 15·738	+ 0·305	...	...
96	... ...	+ 3·2962	+ 0·0154	...	− 15·698	+ 0·306	...	..
97	Lacaille 849, (2nd) ...	+ 1·6050	+ 0·0071	...	− 15·579	+ 0·154	...	...
98	86 Ceti γ	+ 3·1113	+ 0·0094	− 0·011	− 15·569	+ 0·294	+ 0·19	837
99	Lacaille 868	+ 1·7477	+ 0·0040	...	− 15·445	+ 0·170	...	...
100	W. B. N. II. 676 ...	+ 3·2973	+ 0·0150	...	− 15·352	+ 0·315	..	...
101	... ...	+ 1·6727	+ 0·0057	..	− 15·174	+ 0·167	...	.
102	W. B. N. II. 733 ..	+ 3·2896	+ 0·0146	...	− 15·171	+ 0·320	..	...
103	... .	+ 1·6523	+ 0·0062	...	− 15·106	+ 0·165	...	...
104	.. .. ..	+ 3·2847	+ 0·0144	...	− 15·060	+ 0·322	...	...
105	Taylor 969	+ 3·3246	+ 0·0157	...	− 15·039	+ 0·326	...	892

88.—Proper motions from "*Greenwich Catalogue, 1872.*"

Mean Positions of Stars for 1865 January 1st.

Number.	Star.	Magnitude.	Estimations.	Mean Right Ascension.			Mean Polar Distance.			Observations.	Fraction of Year.
				h.	m.	s.	°	′	″		
106	Rumker 87	6·0	4	2	46	2·19	153	22	6·2	4	0·69
107	Lalande 5380	8·0	3	2	47	45·43	75	14	25·7	3	0·86
108	Lacaille 941	6·7	2	2	50	28·23	146	25	52·1	2	0·91
109	... ...	9·0	1	2	52	23·47	150	16	54·3	1	0·02
110	... ...	8·5	1	2	53	17·19	146	44	15·0	1	0·95
111	92 Ceti α (*Menkar*) ...	2·7	...	2	55	13·45	86	26	32·6	7	0·95
112	25 Persei ρ Var. 2 ..	3·7	...	2	56	32·06	51	41	8·9	2	0·47
113	Taylor 1037	8·3	1	2	56	55·45	150	21	21·2	1	0·93
114	Taylor 1047	6·5	1	2	59	53·15	151	19	38·1	1	0·02
115	Taylor 1057	7·0	2	3	0	47·82	151	22	6·7	2	0·89
116	R. P. L. 33	5·9	...	3	0	54·83	5	34	37·0	3	0·79
117	57 Arietis δ	4·5	...	3	3	54·76	70	47	12·1	8	0·92
118	Lacaille 1007	7·3	2	3	4	49·46	152	14	14·7	2	0·49
119	Taylor 1127	8·0	4	3	11	49·51	131	46	7·3	4	0·72
120	... ...	8·8	2	3	12	25·76	130	57	58·9	2	0·91
121	... ...	8·5	1	3	12	43·38	130	50	3·9	1	0·95
122	33 Persei α	1·9	...	3	14	41·76	40	37	21·6	1	0·96
123	3[2] Reticuli	6·0	1	3	15	17·57	153	1	24·7	1	0·01
124	... ...	8·9	1	3	20	35·98	149	28	18·9	1	0·96
125	... ...	9·7	1	3	20	43·35	54	47	36·6	1	0·98
126	R. P. L. 34	5·8	..	3	22	34·43	3	47	12·9	1	0·97
127	5 Tauri *f*	4·3	...	3	23	25·36	77	31	42·8	4	0·20
128	... ...	9·4	3	3	25	58·07	87	53	4·7	3	0·91
129	Lacaille 1143	6·0	2	3	27	1·96	158	24	53·7	2	0·98
130	Lacaille 1150	8·2	3	3	28	28·06	152	28	5·6	3	0·90
131	Lacaille 1159	6·8	1	3	30	17·65	151	28	24·5	1	0·01
132	Taylor 1256	8·0	1	3	35	28·31	150	13	6·9	1	0·02
133	... .	9·7	1	3	35	52·33	152	36	14·7	1	0·98
134	.. ..	9·0	1	3	38	7·33	136	12	41·3	1	[illegible]
135	... .. — ..	8·0	...	3	39	28·89	66	30	23·2	1	0·96
136	25 Tauri η (*Alcyone*) ...	3·0	..	3	39	27·78	66	18	56·3	4	0·72
137	Taylor 1318	5·9	2	3	42	31·08	155	14	0·7	3	0·20
138	... .	8·8	2	3	46	33·83	146	33	29·1	2	0·47
139	34 Eridani γ^1	3·0	.	3	51	43·97	103	58	42·5	6	0·23
140	35 Tauri λ Var. 1 ...	3·6	1	3	53	12·17	77	53	38·4	1	0·84

107.—Comparison star for Victoria in 1861.
112.—ρ Persei Var. 2.—Changes irregularly from 3.5 to 4.3 magnitude.
116.—Groombridge 595.
126.—Groombridge 642.
140.—λ Tauri Var. 1.—Period 3.95 days. Range, 3.5 to 4.3 magnitude.

Observed with the Madras Meridian Circle in that Year.

Number.	Star.	In Right Ascension.			In Polar Distance.			Number in B. A. C.
		Annual Precession.	Secular Variation.	Proper Motion.	Annual Precession.	Secular Variation.	Proper Motion.	
		s	s	s	"	"		
106	Rumker 87	+ 1·3052	+ 0·0158	...	− 15·018	+ 0·132	...	895
107	Lalande 5380 ..	+ 3·3243	+ 0·0156	...	− 14·918	+ 0·330	...	...
108	Lacaille 941	+ 1·7079	+ 0·0053	...	− 14·758	+ 0·175	...	...
109	... ...	+ 1·4717	+ 0·0107	...	− 14·644	+ 0·153	...	...
110	... ...	+ 1·6737	+ 0·0060	...	− 14·590	+ 0·174	...	...
111	92 Ceti α (*Menkar*) ..	+ 3·1295	+ 0·0098	− 0·002	− 14·473	+ 0·323	+ 0·11	949
112	25 Persei ρ Var. 2 ..	+ 3·8077	+ 0·0332	+ 0·010	− 14·394	+ 0·393	+ 0·11	953
113	Taylor 1037 ..	+ 1·4333	+ 0·0116	...	− 14·370	+ 0·152	...	...
114	Taylor 1047	+ 1·3443	+ 0·0139	...	− 14·188	+ 0·145	...	968
115	Taylor 1057	+ 1·3343	+ 0·0142	...	− 14·132	+ 0·144	...	973
116	R. P. L. 33	+ 12·7931	+ 1·5855	...	− 14·124	+ 1·332	+ 0·08	960
117	87 Arietis δ	+ 3·4071	+ 0·0171	+ 0·010	− 13·936	+ 0·304	0·00	986
118	Lacaille 1007 ...	+ 1·2387	+ 0·0169	...	− 13·870	+ 0·136	...	...
119	Taylor 1127 ...	+ 2·1853	+ 0·0012	...	− 13·431	+ 0·243	...	...
120	... ...	+ 2·2080	+ 0·0011	...	− 13·392	+ 0·246	...	...
121	... ...	+ 2·2110	+ 0·0012	...	− 13·372	+ 0·246	...	...
122	33 Persei α	+ 4·2425	+ 0·0483	+ 0·002	− 13·243	+ 0·472	+ 0·05	1043
123	3[2] Reticulo	+ 1·0950	+ 0·0203	+ 0·190	− 13·204	+ 0·126	− 0·65	1051
124	... ...	+ 1·3315	+ 0·0133	...	− 12·851	+ 0·155	...	...
125	... ...	+ 3·7967	+ 0·0279	...	− 12·843	+ 0·431	...	...
126	R. P. L. 34	+ 18·6917	+ 3·1989	+ 0·136	− 12·718	+ 2·113	+ 0·06	1061
127	5 Tauri *f* ..	+ 3·3014	+ 0·0130	+ 0·002	− 12·660	+ 0·379	+ 0·02	1087
128	... ...	+ 3·1107	+ 0·0089	...	− 12·487	+ 0·360	...	...
129	Lacaille 1143 ..	+ 0·9738	+ 0·0227	...	− 12·414	+ 0·117	...	1103
130	Lacaille 1150 ..	+ 1·0476	+ 0·0203	...	− 12·314	+ 0·126	..	.
131	Lacaille 1159 ..	+ 1·1188	+ 0·0180	.	− 12·189	+ 0·135	...	...
132	Taylor 1256 ...	+ 1·1852	+ 0·0159	...	− 11·826	+ 0·145	...	...
133	... .	+ 1·0006	+ 0·0207	...	− 11·707	+ 0·123	...	...
134	. ... ..	+ 1·8361	+ 0·0044	...	− 11·636	+ 0·223	..	...
135	... .. .	+ 3·5473	+ 0·0176	...	− 11·546	+ 0·428	..	..
136	25 Tauri η (*Alcyone*)	+ 3·5516	+ 0·0177	− 0·001	− 11·542	+ 0·430	+ 0·06	1166
137	Taylor 1318	+ 0·6803	+ 0·0294	+ 0·050	− 11·322	+ 0·087	− 0·03	1197
138	... ..	+ 1·3812	+ 0·0111	..	− 11·028	+ 0·173	...	...
139	34 Eridani γ^1 ..	+ 2·7917	+ 0·0047	+ 0·002	− 10·648	+ 0·351	+ 0·12	1234
140	35 Tauri λ Var. 1 ..	+ 3·[illegible]161	+ 0·0115	− 0·002	− 10·538	+ 0·416	+ 0·03	1241

11[illegible].—1[illegible].—127.—140.—Proper motions from "*Greenwich Catalogue, 1872.*"
123.—137.—Proper motions from "*Stone's Cape Catalogue.*"

Mean Positions of Stars for 1865 January 1st.

Number.	Star.	Magnitude.	Estimations.	Mean Right Ascension.			Mean Polar Distance.			Observations.	Fraction of Year.
				h.	m.	s.	°	′	″		
141	... ...	8·0	1	3	53	41·84	143	8	14·5	1	0·90
142	Lacaille 1327	5·9	...	3	54	19·59	152	51	22·3	1	0·92
143	R. P. L. 35	6·7	...	3	55	10·90	4	48	24·4	1	0·03
144	Lacaille 1347	7·6	2	3	58	8·11	149	2	26·2	2	0·49
145	Lalande 7764	8·0	3	4	8	31·43	74	43	42·8	3	0·03
146	... ...	9·2	1	4	5	1·35	150	5	21·9	1	0·03
147	38 Eridani o¹	4·1	...	4	5	16·56	97	11	32·6	7	0·55
148	... ...	8·3	1	4	9	48·62	129	18	43·6	1	0·03
149	U Tauri Var. 7	9·8	1	4	13	57·17	70	30	30·1	1	0·04
150	T Tauri Var. 6	10·4	2	4	14	7·61	70	47	23·4	2	0·05
151	ε Reticuli	5·0	...	4	14	0·66	149	37	42·1	1	0·01
152	... ...	9·6	1	4	15	42·03	128	39	40·4	1	0·07
153	74 Tauri ε	3·7	...	4	20	44·15	71	7	20·9	12	0·62
154	R Tauri Var. 2	8·3	1	4	20	53·87	80	8	30·1	1	0·96
155	Taylor 1582	6·4	2	4	23	13·32	151	32	43·3	2	0·43
156	Lacaille 1519	7·3	1	4	25	35·98	153	5	59·7	1	0·04
157	87 Tauri α (*Aldebaran*) ...	1·0	...	4	28	10·58	73	45	56·3	8	0·40
158	... ...	9·3	1	4	31	44·20	142	59	28·9	1	0·96
159	W. B. N. IV. 696... ...	9·0	7	4	32	39·63	66	27	22·5	7	0·04
160	W. B. N. IV. 726... ...	8·3	2	4	33	54·62	66	15	9·6	3	0·05
161	94 Tauri τ	4·4	...	4	34	8·66	67	18	19·7	2	0·47
162	... ...	9·4	2	4	39	32·41	128	57	28·3	2	0·50
163	... ...	8·8	2	4	40	20·16	151	20	40·5	2	0·03
164	κ Doradûs	6·0	1	4	42	19·46	149	58	55·5	1	0·95
165	Lacaille 1629	6·7	1	4	43	43·62	153	28	27·2	2	0·51
166	Lacaille 1625	8·1	1	4	45	0·52	140	1	43·6	1	0·10
167	W. B. N. IV. 995 ..	8·0	1	4	45	10·20	66	3	3·4	1	0·01
168	... .	9·3	1	4	45	30·74	129	24	58·0	1	0·96
169	... ...	8·9	1	4	45	56·29	153	3	56·9	1	0·02
170	W. B. N. IV. 1018 ..	8·0	1	4	46	2·19	66	13	33·0	1	0·01
171	3 Aurigæ ι	2·7	.	4	48	12·25	57	3	5·8	3	0·36
172	... ...	10·3	1	4	51	29·60	82	8	37·5	1	[illegible]
173	... .	9·0	1	4	52	21·10	129	30	47·9	1	0·03
174	... ...	9·6	1	4	52	41·91	150	37	48·8	1	0·02
175	R Leporis Var. 1	8·9	1	4	53	27·72	105	0	42·6	1	0·07

143.—Groombridge 750.——145.—Comparison star for Asia in 1862.
149.—U Tauri Var. 7.—Period unknown. Range, 9th to 10·5 magnitude.
150.—T Tauri Var. 6.—Period unknown. Range, 9th to below 13th magnitude.
154.—R Tauri Var. 2.—Period 325 days. Range, 8th to below 13th magnitude.
159.—160.—167.—170.—Comparison stars for Mars in 1864.
175.—R Leporis Var. 1.—Period 438 days. Range, 6th to 9th magnitude.

Observed with the Madras Meridian Circle in that Year.

Number.	Star.	In Right Ascension.			In Polar Distance.			Number in B. A. C.
		Annual Precession.	Secular Variation.	Proper Motion.	Annual Precession.	Secular Variation.	Proper Motion.	
		s	s	s	"	"		
141	... .	+ 1·5529	+ 0·0082	...	− 10·501	+ 0·198	...	...
142	Lacaille 1327 ...	+ 0·7477	+ 0·0250	...	− 10·454	+ 0·097	...	1248
143	R. P. L. 35	+16·6728	+ 1·8153	+ 0·057	− 10·390	+ 2·084	− 0·05	1233
144	Lacaille 1347 ...	+ 1·1511	+ 0·0148	...	− 10·169	+ 0·149	...	...
145	Lalande 7764... ...	+ 3·3910	+ 0·0121	...	− 9·758	+ 0·436	...	...
146	... ...	+ 1·0345	+ 0·0165	...	− 9·639	+ 0·130	..	...
147	38 Eridani ο¹ ...	+ 2·0240	+ 0·0058	− 0·002	− 9·625	+ 0·379	− 0·07	1290
148	... ...	+ 2·1015	+ 0·0035	...	− 9·275	+ 0·276	...	...
149	U Tauri Var. 7 ...	+ 3·4956	+ 0·0129	...	− 8·952	+ 0·460	...	...
150	T Tauri Var. 6 ...	+ 3·4892	+ 0·0128	...	− 8·939	+ 0·460	...	...
151	ε Reticuli	+ 1·0298	+ 0·0155	...	− 8·936	+ 0·139	...	1344
152	... ...	+ 2·1111	+ 0·0035	...	− 8·815	+ 0·281	...	...
153	74 Tauri ε	+ 3·4870	+ 0·0120	+ 0·005	− 8·418	+ 0·466	+ 0·03	1376
154	R Tauri Var. 2 ...	+ 3·2831	+ 0·0092	...	− 8·404	+ 0·439	...	...
155	Taylor 1582	+ 0·8202	+ 0·0183	...	− 8·210	+ 0·113	...	1400
156	Lacaille 1510 ..	+ 0·6572	+ 0·0212	...	− 8·029	+ 0·091	...	...
157	87 Tauri α (*Aldebaran*)	+ 3·4304	+ 0·0105	+ 0·004	− 7·822	+ 0·464	+ 0·17	1420
158	... ...	+ 1·4284	+ 0·0082	...	− 7·534	+ 0·196	...	...
159	W. B. N. IV. 696 ...	+ 3·6129	+ 0·0127	...	− 7·460	+ 0·493	...	...
160	W. B. N. IV. 726 ...	+ 3·0193	+ 0·0127	...	− 7·358	+ 0·494	...	...
161	94 Tauri τ	+ 3·5925	+ 0·0122	0·000	− 7·338	+ 0·491	+ 0·02	1449
162	... ...	+ 2·0570	+ 0·0037	...	− 6·897	+ 0·285	...	...
163	... .	+ 0·7717	+ 0·0163	...	− 6·832	+ 0·109	...	...
164	κ Doradûs	+ 0·8897	+ 0·0141	...	− 6·668	+ 0·125	...	1489
165	Lacaille 1629 ..	+ 0·5405	+ 0·0197	...	− 6·552	+ 0·077	...	..
166	Lacaille 1625 ...	+ 1·5617	+ 0·0063	...	− 6·446	+ 0·219	...	...
167	W. B. N. IV. 995 ...	+ 3·6346	+ 0·0114	...	− 6·432	+ 0·505	...	...
168	... ...	+ 2·0308	+ 0·0037	...	− 6·404	+ 0·284	..	...
169	... .	+ 0·5769	+ 0·0186	...	− 6·369	+ 0·083	...	...
170	W. B. N. IV. 1018 ..	+ 3·6307	+ 0·0113	...	− 6·360	+ 0·505	...	.
171	3 Aurigæ ι ...	+ 3·8064	+ 0·0144	− 0·003	− 6·150	+ 0·544	+ 0·02	1520
172	... .	+ 3·2484	+ 0·0068	...	− 5·906	+ 0·456	.	...
173	... .	+ 2·0116	+ 0·0038	...	− 5·834	+ 0·284	..	...
174	.. ..	+ 0·7981	+ 0·0139	...	− 5·806	+ 0·113	...	..
175	R Leporis Var. 1 ..	+ 2·7286	+ 0.0038	...	− 5·742	+ 0·382	...	..

143 — Proper motions from "*Greenwich Catalogue* 1872."

Mean Positions of Stars for 1865 January 1st.

Number.	Star.	Magnitude.	Estimations.	Mean Right Ascension.			Mean Polar Distance.			Observations.	Fraction of year.
				h	m	s	°	′	″		
176	Taylor 1797	7·0	1	4	54	52·10	148	16	51·1	1	0·10
177	102 Tauri ι	4·7	...	4	55	1·72	68	36	23·4	2	0·47
178	Lacaille 1697	8·0	1	4	56	53·21	129	7	7·9	1	0·05
179	Lacaille 1705	8·0	1	4	57	27·36	129	16	30·1	1	0·96
180	2 Leporis ε	3·3	...	4	59	44·85	112	33	17·7	4	0·05
181	... ...	8·0	1	5	0	1·55	135	23	49·9	1	0·07
182	... ...	9·5	2	5	1	45·09	151	36	4·3	2	0·03
183	Lacaille 1739	8·2	1	5	2	52·17	146	57	48·5	1	0·01
184	Lacaille 1756	8·4	2	5	3	59·92	154	44	37·6	2	0·08
185	... ...	9·5	1	5	4	36·03	135	34	33·6	1	0·07
186	Lacaille 1757	8·0	1	5	4	53·29	150	4	20·1	1	0·02
187	... ...	9·0	1	5	6	4·10	131	45	38·4	1	0·08
188	13 Aurigæ α (*Capella*) ..	0·2	...	5	6	43·14	44	8	36·6	1	0·07
189	... ...	8·5	1	5	6	54·10	129	6	0·6	1	0·06
190	19 Orionis β (*Rigel*) ...	0·3	...	5	8	3·07	98	21	37·9	2	0·50
191	... ...	9·2	3	5	12	53·74	129	40	3·2	3	0·36
192	... ...	9·1	3	5	12	57·39	137	4	42·7	3	0·08
193	... ...	8·1	1	5	13	26·14	153	41	37·4	1	0·07
194	... ...	9·0	1	5	14	50·83	153	30	18·7	1	0·05
195	... .	9·2	2	5	16	8·53	131	48	10·5	2	0·09
196	... ...	7·9	3	5	17	0·04	129	37	59·9	3	0·37
197	112 Tauri β	1·9	...	5	17	45·54	61	30	37·5	5	0·24
198	Taylor 1984	7·3	1	5	18	51·97	150	54	47·7	1	0·10
199	... ...	8·9	1	5	19	5·64	148	14	16·5	1	0·03
200	114 Tauri o . ..	4·8	...	5	19	31·[illegible]7	[illegible]	10	56·0	1	[illegible]
201	Lacaille 1854	7·5	1	5	21	40·52	137	12	50·4	1	0·07
202	... ...	7·9	2	5	23	30·00	151	13	23·2	2	0·08
203	34 Orionis δ Var. 1 ..	2·4	...	5	25	6·05	90	24	8·4	2	0·05
204	... ...	8·9	2	5	25	13·55	130	35	20·1	2	[illegible]
205	... ...	9·0	1	5	25	35·56	155	51	16·4	1	0·12
206	11 Leporis α	2·7	..	5	26	46·68	107	55	18·0	5	0·07
207	46 Orionis ε	1·8	...	5	29	21·88	91	17	28·6	[illegible]	0·05
208	123 Tauri ζ	3·0	.	5	29	34·61	68	56	37·2	1	[illegible]
209	... ...	9·6	2	5	29	47·14	135	22	0·6	2	[illegible]
210	... .	8·8	1	5	31	39·[illegible]	128	42	11·7	1	[illegible]

203.—δ Orionis Var. 1.—Supposed to vary irregularly from 2·3 to 2·7 magnitude.

Observed with the Madras Meridian Circle in that Year.

Number.	Star.	In Right Ascension. Annual Precession	Secular Variation.	Proper Motion.	In Polar Distance. Annual Precession.	Secular Variation.	Proper Motion.	Number in B. A. C.
		s	s	s	"	"		
176	Taylor 1797 ...	+ 0·0957	+ 0·0111	...	− 5·623	+ 0·141	...	...
177	102 Tauri ι	+ 3·5750	+ 0·0005	+ 0·004	− 5·609	+ 0·503	+ 0·06	1551
178	Lacaille 1697 ..	+ 2·0258	+ 0·0036	..	− 5·453	+ 0·286	...	...
179	Lacaille 1705 ..	+ 2·0192	+ 0·0037	...	− 5·405	+ 0·286	...	...
180	2 Leporis ε	+ 2·5358	+ 0·0033	+ 0·001	− 5·212	+ 0·359	+ 0·08	1575
181	.. ..	+ 1·7626	+ 0·0046	...	− 5·188	+ 0·250	...	...
182	... ..	+ 0·6787	+ 0·0138	...	− 5·042	+ 0·098	.	...
183	Lacaille 1739	+ 1·0706	+ 0·0093	...	− 4·947	+ 0·155	...	...
184	Lacaille 1756 ..	+ 0·3222	+ 0·0183	...	− 4·852	+ 0·048	...	...
185	... . ..	+ 1·7476	+ 0·0045	...	− 4·801	+ 0·250	...	...
186	Lacaille 1757 ..	+ 0·8164	+ 0·0117	...	− 4·776	+ 0·118	..	...
187	... ..	+ 1·0113	+ 0·0038	...	− 4·676	+ 0·273	...	...
188	13 Aurigæ α (*Capella.*)	+ 4·4125	+ 0·0173	+ 0·008	− 4·621	+ 0·629	+ 0·43	1613
189	... .	+ 2·0146	+ 0·0035	...	− 4·605	+ 0·288	...	...
190	19 Orionis β (*Rigel*)..	+ 2·8805	+ 0·0040	− 0·001	− 4·507	+ 0·412	+ 0·02	1623
191	... .	+ 1·9867	+ 0·0035	...	− 4·093	+ 0·286	...	...
192	.. ..	+ 1·6646	+ 0·0046	...	− 4·088	+ 0·239	...	..
193	.. ... .	+ 0·4232	+ 0·0144	...	− 4·047	+ 0·062	...	..
194	.. ...	+ 0·4438	+ 0·0138	...	− 3·926	+ 0·065	...	...
195	... .	+ 1·8953	+ 0·0037	...	− 3·815	+ 0·274	...	...
196	. ...	+ 1·9842	+ 0·0034	...	− 3·741	+ 0·286	..	..
197	112 Tauri β	+ 3·7854	+ 0·0082	+ 0·003	− 3·676	+ 0·545	+ 0·20	1681
198	Taylor 1984 ..	+ 0·7073	+ 0·0104	...	− 3·580	+ 0·103	...	1697
199	.. . .	+ 0·9468	+ 0·0084	...	− 3·560	+ 0·138	. .	...
200	114 Tauri o	+ 3·5090	+ 0·0068	− 0·001	− 3·523	+ 0·510	+ 0·01	1695
201	Lacaille 1854 .	+ 1·6477	+ 0·0042	...	− 3·338	+ 0·238	...	...
202	. ... ..	+ 0·6686	+ 0·0098	...	− 3·180	+ 0·097	. .	...
203	34 Orionis δ Var. 1 ..	+ 3·0627	+ 0·0038	+ 0·001	− 3·041	+ 0·443	+ 0·04	1730
204	... .	+ 1·9308	+ 0·0034	...	− 3·031	+ 0·281	..	...
205	... .	+ 0·1231	+ 0·0143	...	− 2·999	+ 0·019	..	...
206	11 Leporis α .. .	+ 2·6441	+ 0·0029	+ 0·001	− 2·897	+ 0·383	0·00	1741
207	46 Orionis ε	+ 3·0121	+ 0·0035	− 0·002	− 2·673	+ 0·441	+ 0·01	1765
208	123 Tauri ζ ..	+ 3·5823	+ 0·0055	0·000	− 2·655	+ 0·519	+ 0·05	1767
209	... .	+ 1·7296	+ 0·0037	.	− 2·636	+ 0·251	..	...
210	... .	+ 2·0080	+ 0·0031	.	− 2·474	+ 0·292	..	.

200.—Proper motions from "*Greenwich Catalogue* 1872."

Mean Positions of Stars for 1865 January 1st.

Number.	Star.	Magnitude.	Estimations	Mean Right Ascension.			Mean Polar Distance.			Observations	Fraction of Year
				h.	m.	s.	°	′	″		
211	Lacaille 1949	6·1	1	5	32	15·77	154	19	2·7	1	0·07
212	... .	8·5	...	5	32	43·66	150	11	33·6	1	0·97
213	... ...	9·1	1	5	32	41·01	128	41	15·5	1	0·05
214	... ...	8·8	2	5	34	20·92	152	7	57·3	2	0·09
215	α Columbæ	2·7	...	5	34	45·71	124	8	53·7	8	0·08
216	Lacaille 1971	7·8	1	5	36	22·25	149	11	30·2	1	0·12
217	... ...	8·3	2	5	36	39·25	135	48	38·7	2	0·08
218	... ...	9·1	1	5	39	55·07	135	48	6·2	1	0·07
219	Lacaille 2010	7·7	1	5	42	2·13	146	58	20·0	1	0·07
220	.. ..	9·1	3	5	43	26·72	130	6	55·8	3	0·06
221	Taylor 2184	9·3	1	5	43	55·09	150	46	22·3	1	0·02
222	... ...	9·3	1	5	44	45·16	137	10	18·3	1	0·05
223	54 Orionis χ^1	4·6	...	5	46	23·37	69	45	10·1	2	0·51
224	... ...	9·0	1	5	47	3·18	135	46	50·2	1	0·07
225	58 Orionis α Var. 2 ...	0·9	...	5	47	51·84	82	37	17·0	9	0·07
226	... ...	8·9	1	5	49	55·35	135	43	7·9	1	0·07
227	... ...	9·8	1	5	50	15·60	137	10	18·5	1	0·08
228	Lacaille 2073	7·9	1	5	50	32·41	137	12	38·1	1	0·12
229	... ...	9·6	2	5	50	58·77	130	43	1·5	2	0·07
230	R. P. L. 43	6·6	...	5	52	27·98	3	14	20·0	1	0·10
231	... ...	8·8	1	5	53	3·51	130	24	57·4	1	0·06
232	Lalande 2104	7·0	1	5	54	22·74	143	26	23·9	1	0·05
233	... ...	9·5	2	5	54	36·34	137	45	15·3	2	0·09
234	... ...	9·2	1	5	56	11·53	129	57	14·2	1	0·03
235	... ...	9·3	1	5	57	1·11	136	1	0·9	1	0·07
236	67 Orionis ν	4·4	...	5	59	51·86	75	13	7·9	9	0·07
237	... ...	7·8	2	6	0	52·61	137	28	33·4	2	0·10
238	Lalande 11732	8·2	1	6	3	26·03	77	58	55·9	1	0·97
239	... ...	9·0	1	6	4	1·12	150	5	28·2	1	0·11
240	... ...	8·1	2	6	4	35·32	136	40	40·6	2	0·[illegible]
241	... ...	9·0	1	6	5	40·90	77	51	30·8	1	0·97
242	7 Geminorum η Var. 6 ..	3·5	..	6	6	43·79	67	27	20·0	2	[illegible]
243	... .	9·2	1	6	7	28·21	151	18	23·5	1	0·13
244	... . ..	9·1	2	6	7	42·12	137	6	24·1	2	0·09
245	... ...	9·2	1	6	8	35·15	155	4	30·0	1	0·13

225.—α Orionis Var. 2., (*Betelgeuse.*) Irregularly variable from 0·9 to 1·5 magnitude.
230.—Groombridge 1004.
238.—Comparison star for Sappho in 1865.

Observed with the Madras Meridian Circle in that Year.

Number.	Star.	In Right Ascension.			In Polar Distance.			Number in B. A. C.
		Annual Precession.	Secular Variation.	Proper Motion.	Annual Precession.	Secular Variation.	Proper Motion.	
		s	s	s	"	"		
211	Lacaille 1949 ...	+ 0·3122	+ 0·0106	...	− 2·420	+ 0·046	...	1790
212	... ...	+ 0·7548	+ 0·0076	...	− 2·381	+ 0·110	...	..
213	... ...	+ 2·0090	+ 0·0030	..	− 2·381	+ 0·292	...	..
214	... .	+ 0·5593	+ 0·0085	...	− 2·240	+ 0·062	...	...
215	α Columbæ	+ 2·1706	+ 0·0027	+ 0·008	− 2·205	+ 0·316	0·00	1802
216	Lacaille 1971 ..	+ 0·8419	+ 0·0066	...	− 2·064	+ 0·123	..	...
217	... .	+ 1·7038	+ 0·0035	...	− 2·039	+ 0·248	...	...
218	... ...	+ 1·7024	+ 0·0033	...	− 1·755	+ 0·248	..	...
219	Lacaille 2010 ...	+ 1·0218	+ 0·0050	...	− 1·570	+ 0·150	...	...
220	... .	+ 1·9486	+ 0·0028	...	− 1·447	+ 0·285	...	...
221	Taylor 2184	+ 0·6884	+ 0·0050	...	− 1·406	+ 0·101	...	...
222	... .	+ 1·6329	+ 0·0033	...	− 1·333	+ 0·239	...	...
223	54 Orionis χ^1 ..	+ 3·5645	+ 0·0034	− 0·016	− 1·191	+ 0·520	+ 0·10	1876
224	... .	+ 1·7003	+ 0·0030	...	− 1·132	+ 0·248	..	...
225	58 Orionis α Var. 2...	+ 3·2449	+ 0·0027	+ 0·001	− 1·061	+ 0·473	0·00	1883
226	... ...	+ 1·7025	+ 0·0030	...	− 0·881	+ 0·248	...	...
227	... ..	+ 1·6310	+ 0·0030	...	− 0·853	+ 0·238	...	..
228	Lacaille 2073 ..	+ 1·6200	+ 0·0030	...	− 0·828	+ 0·237	..	...
229	... ...	+ 1·9223	+ 0·0027	...	− 0·789	+ 0·280	...	.
230	R. P. L. 43	+ 26·6878	+ 0·2764	...	− 0·660	+ 3·893	...	1879
231	.. ..	+ 1·9341	+ 0·0026	...	− 0·607	+ 0·282		...
232	Lacaille 2104 ..	+ 1·2696	+ 0·0073	...	− 0·492	+ 0·199	..	...
233	... ...	+ 1·6004	+ 0·0028	...	− 0·472	+ 0·233	...	...
234	.. ..	+ 1·9522	+ 0·0025	...	− 0·334	+ 0·285	...	...
235	.. ..	+ 1·6869	+ 0·0027	...	− 0·261	+ 0·246	...	...
236	67 Orionis ν	+ 3·4248	+ 0·0017	+ 0·001	− 0·012	+ 0·500	+ 0·02	1958
237	... ...	+ 1·6143	+ 0·0024	...	+ 0·076	+ 0·236	...	...
238	Lalande 11782 ..	+ 3·3567	+ 0·0015	..	+ 0·300	+ 0·490	...	...
239	... .	+ 0·7482	+ 0·0022	...	+ 0·352	+ 0·100	...	...
240	... .	+ 1·6472	+ 0·0004	..	+ 0·401	+ 0·240	...	...
241	... .	+ 3·3597	+ 0·0013	..	+ 0·406	+ 0·490	...	...
242	7 Geminorum η Var. 6	+ 3·6267	+ 0·0007	− 0·007	+ 0·589	+ 0·529	+ 0·02	2003
243	.. ..	+ 0·6306	+ 0·0016	.	+ 0·654	+ 0·092	...	...
244	... ...	+ 1·6338	+ 0·0022	...	+ 0·674	+ 0·238	.	...
245	... .	+ 0·1993	+ 0·0005	...	+ 0·751	+ 0·029	...	...

215.—223.—236.—Proper motions from "*Greenwich Catalogue*, 1872."

Mean Positions of Stars for 1865 January 1st.

Number.	Star.	Magnitude.	Estimations.	Mean Right Ascension.			Mean Polar Distance.			Observations.	Fraction of Year.
				h.	m.	s.	°	′	″		
246	.. ..	9·3	2	6	8	55·17	130	31	35·3	2	0·06
247	... .	9·4	1	6	11	43·60	152	1	50·0	1	0·07
248	... ...	9·2	2	6	12	3·43	136	50	49·9	2	0·09
249	Lalande 12120	7·2	1	6	14	8·95	77	4	48·8	2	0·07
250	13 Geminorum μ	3·2	...	6	14	47·59	67	25	15·5	6	0·06
251	Lalande 12155	7·2	1	6	15	1·74	77	22	3·1	1	0·97
252	Lacaille 2273	7·9	1	6	17	3·26	153	58	25·3	1	0·02
253	... —	9·0	2	6	18	33·26	151	28	28·6	2	0·12
254	Taylor 2485	7·3	2	6	18	34·28	151	16	11·2	2	0·12
255	Lacaille 2286	7·0	1	6	18	48·58	153	45	45·3	1	0·14
256	.. ..	8·8	2	6	19	43·59	65	30	54·8	2	0·09
257	α Argûs (*Canopus*) ...	1·0	...	6	20	57·41	142	37	23·6	1	0·08
258	... ...	7·2	2	6	21	20·03	128	51	32·6	2	0·08
259	Lacaille 2312	6·8	1	6	22	9·61	153	36	37·7	1	0·12
260	Lacaille 2321	7·8	1	6	23	29·97	153	20	49·7	1	0·16
261	Lacaille 2348	7·8	2	6	26	32·41	152	3	45·5	2	0·17
262	... ...	9·0	2	6	27	30·11	128	46	0·7	2	0·10
263	... ...	8·1	1	6	28	39·98	151	10	2·6	1	0·14
264	... ...	9·1	2	6	28	40·42	130	32	12·0	2	0·10
265	Taylor 2589	6·9	2	6	29	50·15	151	46	51·8	2	0·12
266	24 Geminorum γ	2·0	...	6	29	54·77	73	29	21·0	5	0·08
267	... ...	8·3	1	6	31	28·75	130	56	45·1	1	0·15
268	. .. .	8·9	1	6	33	33·48	152	27	8·4	1	0·11
269	... ...	9·1	2	6	35	49·30	130	38	7·5	2	0·09
270	... ...	10·4	2	6	36	0·29	62	5	50·6	2	0·05
271	51 Cephei (Hev.)... ...	5·3	...	6	36	9·07	2	45	21·0	7	0·25
272	... .	8·9	1	6	36	15·11	130	21	3·4	1	0·17
273	Taylor 2652	6·8	1	6	36	33·84	151	24	55·3	1	0·12
274	31 Geminorum ξ	3·4	...	6	37	42·66	76	57	43·6	1	0·10
275	... .	9·3	1	6	37	53·72	153	20	30·7	1	0·13
276	Lacaille 2451	8·3	1	6	38	11·15	155	57	40·4	1	0·17
277	Taylor 2667	8·3	1	6	38	23·73	148	59	44·7	1	0·06
278	. ... ..	9·5	1	6	39	9·43	131	3	30·2	1	0·08
279	9 Canis Maj. α (*Sirius*) ..	−1·4	...	6	39	11·78	106	32	1·5	2	0·12
280	.. ..	9·3	2	6	40	20·81	154	13	36·2	2	0·13

249—251.—Comparison stars for Sappho in 1865.

Observed with the Madras Meridian Circle in that Year.

Number.	Star.	In Right Ascension.			In Polar Distance.			Number in R. A. C.
		Annual Precession.	Secular Variation.	Proper Motion.	Annual Precession.	Secular Variation.	Proper Motion.	
		s	s	s	"	"		
246	... .	+ 1·0300	+ 0·0021	...	+ 0·780	+ 0·281	...	...
247	.. ..	+ 0·5576	+ 0·0005	...	+ 1·026	+ 0·081	...	...
248	... ...	+ 1·6479	+ 0·0019	...	+ 1·055	+ 0·240	...	...
249	Lalande 12120 ..	+ 3·3782	+ 0·0005	...	+ 1·237	+ 0·487	...	..
250	13 Geminorum μ ..	+ 3·6268	+ 0·0003	+ 0·005	+ 1·293	+ 0·527	+ 0·14	2047
251	Lalande 12155 ..	+ 3·3711	+ 0·0004	...	+ 1·314	+ 0·490	...	...
252	Lacaille 2273 ..	+ 0·3416	− 0·0014	...	+ 1·492	+ 0·049	...	...
253	... ...	+ 0·6146	− 0·0007	...	+ 1·622	+ 0·089	...	...
254	Taylor 2485	+ 0·6411	− 0·0007	...	+ 1·623	+ 0·092	...	...
255	Lacaille 2286 ...	+ 0·3686	− 0·0017	...	+ 1·644	+ 0·053	...	2078
256	... ...	+ 3·6745	− 0·0011	...	+ 1·724	+ 0·533	...	...
257	α Argûs (*Canopus*) ...	+ 1·3292	+ 0·0010	0·000	+ 1·832	+ 0·192	0·00	2096
258	... ...	+ 1·9995	+ 0·0019	...	+ 1·864	+ 0·289	...	...
259	Lacaille 2312 ...	+ 0·3902	− 0·0025	...	+ 1·936	+ 0·056	...	...
260	Lacaille 2321 ...	+ 0·4223	− 0·0028	...	+ 2·053	+ 0·060	...	.
261	Lacaille 2348 ...	+ 0·5678	− 0·0026	...	+ 2·317	+ 0·081	...	2142
262	.. ..	+ 2·0061	+ 0·0018	...	+ 2·401	+ 0·290	...	...
263	.. ..	+ 0·6624	− 0·0025	...	+ 2·502	+ 0·095	...	...
264	... ...	+ 1·9377	+ 0·0016	...	+ 2·503	+ 0·280	.	...
265	Taylor 2589	+ 0·6017	− 0·0031	...	+ 2·604	+ 0·086	...	2166
266	24 Geminorum γ ..	+ 3·4650	− 0·0015	+ 0·001	+ 2·610	+ 0·500	+ 0·04	2163
267	.. ..	+ 1·9230	+ 0·0015	...	+ 2·746	+ 0·277	.	..
268	.. ..	+ 0·5364	− 0·0043	...	+ 2·926	+ 0·076	...	...
269	... ...	+ 1·9387	+ 0·0014	...	+ 3·122	+ 0·278	...	...
270	... ...	+ 3·7714	− 0·0040	...	+ 3·138	+ 0·542	...	..
271	51 Cephei (Hev.) ..	+ 30·4998	− 1·8501	− 0·027	+ 3·151	+ 4·392	+ 0·08	2157
272	... ...	+ 1·9503	+ 0·0014	...	+ 3·159	+ 0·280	...	...
273	Taylor 2652	+ 0·6495	− 0·0042	...	+ 3·196	+ 0·092	...	2203
274	31 Geminorum ξ ..	+ 3·3776	− 0·0016	− 0·007	+ 3·285	+ 0·485	+ 0·22	2206
275	... .	+ 0·4450	− 0·0061	...	+ 3·301	+ 0·063	...	—
276	Lacaille 2451 .	+ 0·1159	− 0·0092	...	+ 3·320	+ 0·016	...	—
277	Taylor 2667	+ 0·8785	− 0·0029	..	+ 3·344	+ 0·125	—	—
278	... .	+ 1·9244	+ 0·0014	.	+ 3·410	+ 0·276	.	..
279	9 Can. Maj. α (*Sirius*)	+ [illegible]	+ 0·0010	− 0·035	+ 3·413	+ 0·384	+ 1·24	2213
280	... .	+ 0·2463	− 0·0076	...	+ 3·525	+ 0·048	...	—

257.—Proper motion from "*Stone's Cape Catalogue.*"
271.—274.—Proper motions from "*Greenwich Catalogue 1872.*"

Mean Positions of Stars for 1865 January 1st.

Number.	Star.	Magnitude.	Estimations.	Mean Right Ascension.			Mean Polar Distance.			Observations.	Fraction of Year.
				h.	m.	s.	°	′	″		
281	... ...	9·1	1	6	40	32·85	151	58	54·8	1	0·18
282	... ...	8·3	1	6	42	25·49	130	56	59·2	1	0·14
283	... ...	8·2	2	6	42	39·02	130	36	25·7	2	0·08
284	... ...	9·2	1	6	42	39·06	130	58	8·6	1	0·14
285	... ...	7·8	3	6	43	42·70	128	30	28·2	3	0·13
286	... ...	9·3	1	6	44	51·34	128	30	31·8	1	0·14
287	... ...	9·4	1	6	45	0·13	106	32	48·5	1	0·15
288	α Pictoris	5·5	1	6	46	48·43	151	47	50·8	1	0·12
289	Lacaille 2510	8·4	2	6	48	25·42	130	31	43·9	2	0·05
290	... ...	9·0	1	6	48	30·94	128	48	28·5	1	0·15
291	... ...	9·3	1	6	48	52·64	130	10	19·4	1	0·14
292	... ...	9·0	1	6	48	56·41	128	46	7·2	1	0·15
293	Lacaille 2538	7·5	2	6	51	20·20	114	47	37·8	2	0·09
294	... ...	9·9	1	6	52	47·90	152	54	26·2	1	0·16
295	21 Canis Majoris ε ...	1·5	...	6	53	19·23	118	47	26·8	6	0·08
296	... ...	8·0	2	6	55	37·40	129	37	59·6	2	0·15
297	43 Geminorum ζ¹ Var. 1 ...	4·0	...	6	56	6·07	69	14	7·5	1	0·08
298	... ...	9·0	2	6	56	23·19	129	17	26·3	2	0·17
299	23 Canis Majoris γ ...	4·1	...	6	57	39·08	105	26	11·1	10	0·09
300	Taylor 2840	8·0	3	6	59	3·61	150	56	56·3	3	0·11
301	R Geminorum Var. 2 ...	8·8	1	6	59	13·31	67	5	31·8	1	0·08
302	... ...	7·5	1	7	1	1·50	140	10	9·8	1	0·19
303	R Canis Minoris Var. 1 ...	9·7	1	7	1	17·19	79	45	56·5	1	0·14
304	... ...	8·8	1	7	1	31·44	129	39	17·6	1	0·14
305	... .	9·1	2	7	2	55·81	141	24	10·8	2	0·13
306	... ...	8·7	2	7	3	25·72	130	14	36·2	2	0·16
307	... ...	9·4	1	7	5	2·70	153	52	14·5	1	0·17
308	Lacaille 2678	9·0	1	7	6	11·70	148	9	21·2	1	0·03
309	Taylor 2923	8·1	2	7	7	17·29	150	21	25·3	2	0·17
310	... ...	8·0	1	7	8	0·49	148	46	7·9	1	0·14
311	... ...	8·9	1	7	8	10·02	152	5	8·2	1	0·11
312	... ...	9·0	1	7	8	55·78	130	17	24·3	1	0·15
313	Lacaille 2696	7·8	1	7	9	23·61	140	58	58·8	1	0·13
314	Taylor 2940 . ..	7·6	2	7	9	30·26	129	57	[illegible]·1	2	0·14
315	... ...	9·5	1	7	9	48·13	130	18	38·9	1	0·16

297.—ζ Geminorum Var. 1. Period 10·16 days. Range, 3·7 to 4·5 magnitude.
301.—R Geminorum Var. 2. Period 371 days. Range, 7th to below 13th magnitude.
303.—R Canis Minoris Var. 1. Period 335 days. Range, 7·5 to 11th magnitude.

Observed with the Madras Meridian Circle in that Year.

Number.	Star.	In Right Ascension.			In Polar Distance.			Number in B.A.C
		Annual Precession.	Secular Variation.	Proper Motion.	Annual Precession.	Secular Variation.	Proper Motion.	
		s	s	s	"	"		
281	... .	+ 0·5987	− 0·0053	...	+ 3·528	+ 0·084	...	...
282	... .	+ 1·9317	+ 0·0013	...	+ 3·691	+ 0·275	...	...
283	. ... ..	+ 1·9457	+ 0·0013	...	+ 3·711	+ 0·277	...	...
284	... ...	+ 1·9312	+ 0·0013	...	+ 3·711	+ 0·275	...	...
285	... ...	+ 2·0276	+ 0·0013	...	+ 3·802	+ 0·288	...	...
286	... ...	+ 2·0286	+ 0·0014	...	+ 3·900	+ 0·288	...	...
287	... ...	+ 2·6825	+ 0·0000	...	+ 3·913	+ 0·382	...	...
288	α Pictoris	+ 0·6307	− 0·0063	− 0·010	+ 4·067	+ 0·088	− 0·18	2260
289	Lacaille 2516 ...	+ 1·9545	+ 0·0012	...	+ 4·206	+ 0·277	...	...
290	... ...	+ 2·0208	+ 0·0013	...	+ 4·214	+ 0·286	...	...
291	... ...	+ 1·9689	+ 0·0012	...	+ 4·244	+ 0·279	...	...
292	... ...	+ 2·0227	+ 0·0013	...	+ 4·250	+ 0·286	...	...
293	Lacaille 2538 ..	+ 2·4699	+ 0·0013	...	+ 4·455	+ 0·349	...	2284
294	... ...	+ 0·5272	− 0·0086	...	+ 4·565	+ 0·073	...	...
295	21 Canis Majoris ε ...	+ 2·3571	+ 0·0013	0·000	+ 4·624	+ 0·332	+ 0·02	2298
296	... ...	+ 1·9972	+ 0·0012	...	+ 4·820	+ 0·281	...	...
297	43 Gem. 3ᵃ Var. 1 ...	+ 3·5640	− 0·0050	− 0·001	+ 4·860	+ 0·503	+ 0·01	2305
298	... .	+ 2·0111	+ 0·0012	...	+ 4·885	+ 0·282	...	...
299	23 Canis Majoris γ ...	+ 2·7144	+ 0·0005	+ 0·002	+ 4·992	+ 0·381	+ 0·01	2319
300	Taylor 2840	+ 0·7447	− 0·0074	.	+ 5·111	+ 0·103	...	...
301	R Geminorum Var. 2.	+ 3·6183	− 0·0059	...	+ 5·125	+ 0·508	...	...
302	. ...	+ 1·5256	− 0·0007	...	+ 5·277	+ 0·213	...	...
303	R Canis Minoris Var 1.	+ 3·3049	− 0·0081	..	+ 5·299	+ 0·463	...	...
304	.. ...	+ 2·0036	+ 0·0011	...	+ 5·310	+ 0·280	...	...
305	... ..	+ 1·4598	− 0·0013	...	+ 5·438	+ 0·203	...	...
306	... .	+ 1·9836	+ 0·0010	...	+ 5·480	+ 0·276	...	...
307	... ...	+ 0·4555	− 0·0125	...	+ 5·616	+ 0·062	...	...
308	Lacaille 2678 ..	+ 1·0086	− 0·0055	..	+ 5·712	+ 0·139	...	...
309	Taylor 2923 . ..	+ 0·8232	− 0·0077	...	+ 5·804	+ 0·113	...	..
310	. .	+ 0·9635	− 0·0074	...	+ 5·864	+ 0·132	..	...
311	... ...	+ 0·6593	− 0·0102	..	+ 5·877	+ 0·089	..	..
312	...	+ 1·9895	+ 0·0010		+ 5·941	+ 0·274	...	.
313	Lacaille 2696	+ 1·4971	− 0·0013		+ 5·960	+ 0·205		
314	Taylor 2940	+ 2·0028	+ 0·0010	...	+ 5·989	+ 0·276		.
315		+ 1·9900	+ 0·0009		+ 6·014	+ 0·274	.	..

288.—Proper motions from "*Stone's Cape Catalogue.*"

Mean Positions of Stars for 1865 January 1st.

Number.	Star.	Magnitude.	Estimations.	Mean Right Ascension.			Mean Polar Distance.			Observations.	Fraction of Year.
				h.	m.	s.	°	′	″		
316	55 Geminorum δ	3·6	...	7	12	3·46	67	46	21·6	11	0·08
317	... ...	8·3	1	7	12	36·69	152	48	2·1	1	0·17
318	Taylor 3005	7·7	1	7	15	29·99	149	1	0·0	1	0·14
319	R. P. L. 45	7·2	...	7	16	32·78	0	59	11·6	1	0·17
320	Lacaille 2805	9·0	1	7	17	22·15	153	8	13·5	1	0·06
321	... ...	9·3	2	7	17	38·92	129	46	16·9	2	0·16
322	... ...	9·8	1	7	18	49·97	69	15	35·1	1	0·13
323	63 Geminorum	5·3	...	7	19	43·39	68	16	55·2	1	0·18
324	... ...	9·3	2	7	19	50·09	152	35	43·6	2	0·14
325	Taylor 3054	7·8	1	7	20	2·80	151	41	35·2	1	0·08
326	... .	8·0	1	7	21	36·09	181	50	33·5	1	0·15
327	.. ..	8·5	2	7	23	29·63	129	45	25·1	2	0·16
328	... ...	9·8	1	7	23	37·09	42	0	51·0	1	0·13
329	... ...	8·0	1	7	23	55·73	129	10	12·3	1	0·14
330	... ...	9·4	1	7	24	9·78	152	47	21·6	1	0·17
331	... ...	9·6	1	7	24	46·12	130	9	38·9	1	0·07
332	... ...	9·0	2	7	24	48·82	121	0	28·9	2	0·07
333	... ...	9·0	1	7	25	0·77	123	8	26·5	1	0·06
334	S Canis Minoris Var. 2 ...	9·1	1	7	25	23·53	81	23	49·0	2	0·04
335	... .	8·0	1	7	25	29·09	192	18	12·7	1	0·18
336	66 Geminorum α² (*Castor.*)	1·6	...	7	25	58·88	57	49	8·8	6	0·12
337	... ...	9·6	1	7	26	39·32	129	45	7·9	1	0·18
338	... ...	9·2	1	7	27	14·03	153	10	53·4	1	0·07
339	... ...	8·0	1	7	27	58·21	129	42	51·9	1	0·15
340	.. ..	9·5	1	7	30	42·43	158	42	28·1	1	0·14
341	... ...	9·0	2	7	31	6·86	131	10	43·0	2	0·16
342	... ...	8·5	2	7	31	56·43	129	44	1·0	2	0·16
343	10 Canis Min. α (*Procyon.*)	0·5	...	7	32	14·05	84	25	55·6	10	0·10
344	Lacaille 2893	7·0	1	7	32	45·83	121	49	31·5	1	0·14
345	... ...	9·4	2	7	33	0·60	153	11	46·7	2	0·13
346	. ...	10·5	2	7	34	34·71	68	25	6·6	2	0·07
347	S Geminorum Var. 3 ...	10·5	2	7	34	37·52	66	13	30·8	2	0·11
348	... ... — —	8·2	2	7	35	8·82	129	57	59·7	2	0·16
349	.. ..	8·9	2	7	35	20·89	152	59	43·6	1	0·19
350	Taylor 3196	8·0	2	7	36	34·66	150	19	13·8	1	0·19

319.—Groombridge 1119.
334.—S Canis Minoris Var. 2. Period 382 days. Range, 8.5 to below 13th magnitude.
346.—Observed by mistake for the planet Leda.
347.—S Geminorum Var. 3. Period 294 days. Range, 8.3 to below 14th magnitude.

Observed with the Madras Meridian Circle in that Year.

Number.	Star.	In Right Ascension. Annual Precession.	In Right Ascension. Secular Variation.	In Right Ascension. Proper Motion.	In Polar Distance. Annual Precession.	In Polar Distance. Secular Variation.	In Polar Distance. Proper Motion.	Number in B. A. C.
		s	s	s	"	"		
316	55 Geminorum δ ..	+ 3·5916	− 0·0072	0·000	+ 6·202	+ 0·495	+ 0·02	2410
317	... .	+ 0·6000	− 0·0119	...	+ 6·248	+ 0·080	...	..
318	Taylor 3005	+ 0·9652	− 0·0071	...	+ 6·468	+ 0·130	...	...
319	R. P. L. 45	+ 76·4323	− 27·7358	− 0·323	+ 6·575	+ 10·528	− 0·01	2320
320	Lacaille 2805 ..	+ 0·5815	− 0·0132	...	+ 6·642	+ 0·077	...	...
321	.. ..	+ 2·0226	+ 0·0009	...	+ 6·665	+ 0·275	...	...
322	... ..	+ 3·5487	− 0·0074	...	+ 6·763	+ 0·484	...	...
323	63 Geminorum ..	+ 3·5727	− 0·0078	− 0·004	+ 6·837	+ 0·487	+ 0·10	2460
324	... ...	+ 0·6481	− 0·0127	...	+ 6·846	+ 0·086	...	...
325	Taylor 3054	+ 0·7397	− 0·0111	...	+ 6·865	+ 0·098	...	...
326	... .	+ 1·9500	+ 0·0006	...	+ 6·990	+ 0·264	...	...
327	... .	+ 2·0329	+ 0·0009	...	+ 7·146	+ 0·274	...	...
328	... ...	+ 4·4585	− 0·0256	...	+ 7·156	+ 0·605	...	...
329	... ...	+ 2·0551	+ 0·0009	...	+ 7·181	+ 0·277	...	...
330	... .	+ 0·6452	− 0·0135	...	+ 7·201	+ 0·085	...	...
331	... ...	+ 2·0201	+ 0·0009	...	+ 7·250	+ 0·272	...	...
332	... .	+ 2·3228	+ 0·0011	...	+ 7·253	+ 0·313	...	...
333	.. ..	+ 2·2585	+ 0·0011	...	+ 7·270	+ 0·304	...	...
334	S Can. Min. Var. 2 .	+ 3·2605	− 0·0044	...	+ 7·302	+ 0·440	...	...
335	... .	+ 2·0529	+ 0·0009	...	+ 7·308	+ 0·276	...	...
336	66 Gem. α² (*Castor*)	+ 3·8548	− 0·0183	− 0·013	+ 7·349	+ 0·519	+ 0·08	2485
337	.. ..	+ 2·0386	+ 0·0009	...	+ 7·403	+ 0·273	...	...
338	... ...	+ 0·6167	+ 0·0146	...	+ 7·450	+ 0·081	...	...
339	... .	+ 2·0424	+ 0·0009	...	+ 7·510	+ 0·273	...	...
340	... .	− 0·0933	− 0·0309	...	+ 7·732	− 0·016	...	...
341	... .	+ 1·9937	+ 0·0008	...	+ 7·765	+ 0·265	...	...
342	... .	+ 2·0190	+ 0·0009	...	+ 7·831	+ 0·272	...	...
343	10 Can. Min. α (*Procyon*)	+ 3·1919	− 0·0041	− 0·018	+ 7·854	+ 0·425	+ 1·08	2522
344	Lacaille 2893 ..	+ 2·3093	+ 0·0012	...	+ 7·897	+ 0·307	...	...
345	.. ..	+ 0·6411	− 0·0153	...	+ 7·925	+ 0·083	...	...
346	... ...	+ 3·5566	− 0·0093	...	+ 8·043	+ 0·472	...	...
347	S Geminorum Var. 3.	+ 3·6120	− 0·0102	...	+ 8·047	+ 0·480	...	..
348	... .	+ 2·0467	+ 0·0008	...	+ 8·089	+ 0·270	...	..
349	... .	+ 0·6724	− 0·0152	...	+ 8·104	+ 0·087	...	...
350	Taylor 3195	+ 0·9314	− 0·0105		+ 8·203	+ 0·120	.	...

319.—Proper motions from "*Greenwich Catalogue* 1872."

Mean Positions of Stars for 1865 January 1st.

Number.	Star.	Magnitude.	Estimations.	Mean Right Ascension.			Mean Polar Distance.			Observations.	Fraction of Year.
				h.	m.	s.	°	′	″		
351	... ...	7·5	2	7	36	46·40	129	57	25·8	2	0·16
352	78 Geminorum β (*Pollux*).	1·1	...	7	37	3·07	61	39	4·2	9	0·11
353	... ...	10·3	1	7	37	24·89	68	29	51·7	1	0·06
354	... ...	8·5	1	7	37	35·35	130	58	11·8	1	0·14
355	... ...	7·7	1	7	37	48·71	128	53	1·6	1	0·14
356	... ...	7·0	1	7	39	7·60	131	8	46·0	1	0·17
357	... ...	8·8	2	7	41	19·42	151	34	39·1	2	0·10
358	... ...	8·5	1	7	42	4·81	153	4	30·7	1	0·16
359	Lacaille 3034	8·0	1	7	44	5·60	153	51	48·5	1	0·13
360	.. ..	9·0	2	7	44	11·97	130	56	9·9	2	0·16
361	Brisbane 1791	7·8	1	7	46	19·90	144	24	46·4	1	0·14
362	... ...	8·8	1	7	46	30·77	144	22	35·1	1	0·14
363	... ...	8·5	1	7	47	6·87	153	20	55·8	1	0·17
364	... ...	10·7	1	7	47	13·22	67	42	57·7	1	0·05
365	Taylor 3310	9·0	1	7	47	33·67	149	18	2·8	1	0·15
366	... ...	9·6	1	7	48	44·65	129	54	58·5	1	0·17
367	1 Cancri	5·9	...	7	49	19·51	73	51	7·3	1	0·10
368	... ...	7·1	1	7	49	30·25	152	35	4·5	1	0·19
369	... ...	8·2	1	7	49	53·49	129	17	31·1	1	0·15
370	.. ..	7·7	1	7	49	56·67	149	8	37·3	1	0·14
371	... .	9·3	1	7	51	39·78	151	37	3·7	1	0·17
372	... ...	8·1	2	7	52	1·99	148	22	34·1	2	0·13
373	6 Cancri	5·0	...	7	55	13·36	61	49	40·7	8	0·14
374	Brisbane 1855	6·8	1	7	55	28·87	152	55	57·9	1	0·18
375	.. ..	9·2	1	7	57	40·48	156	24	20·2	1	0·18
376	Lacaille 3154	5·6	2	7	58	37·56	153	11	40·3	2	0·18
377	... ...	10·7	2	8	0	18·57	78	29	52·1	2	0·05
378	... ...	8·9	1	8	1	23·81	150	31	32·3	1	0·17
379	Lacaille 3174	8·0	2	8	1	26·26	155	38	6·0	2	0·15
380	15 Argûs	2·0	...	8	1	47·74	113	55	2·3	6	0·17
381	.. ..	9·0	1	8	2	14·12	128	30	37·1	1	0·15
382	16 Cancri ζ	4·7	...	8	4	28·08	71	56	54·6	2	0·08
383	... .	9·7	1	8	4	33·28	154	40	44·2	1	0·17
384	... .	9·6	1	8	5	30·36	128	38	57·1	1	0·15
385	... ...	8·0	1	8	6	5·87	138	40	43·6	1	0·21

Observed with the Madras Meridian Circle in that Year.

Number.	Star.	In Right Ascension.			In Polar Distance.			Number in B. A. C.
		Annual Precession.	Secular Variation.	Proper Motion.	Annual Precession.	Secular Variation.	Proper Motion.	
		s	s	s	"	"		
351	... ...	+ 2·0303	+ 0·0008	...	+ 8·210	+ 0·269	...	...
352	78 Gem. β (*Pollux*)...	+ 3·7297	− 0·0128	− 0·049	+ 8·241	+ 0·491	+ 0·06	2555
353	... ...	+ 3·5520	− 0·0095	...	+ 8·270	+ 0·468	...	...
354	... ...	+ 2·0147	+ 0·0008	...	+ 8·284	+ 0·264	...	...
355	... ...	+ 2·0906	+ 0·0010	...	+ 8·302	+ 0·274	...	...
356	... ...	+ 2·0114	+ 0·0000	...	+ 8·406	+ 0·262	.	...
357	... ...	+ 0·8302	− 0·0128	...	+ 8·580	+ 0·107	...	...
358	... ...	+ 0·6964	− 0·0161	...	+ 8·640	+ 0·088	...	..
359	Lacaille 3034 ...	+ 0·6235	− 0·0180	...	+ 8·798	+ 0·078	...	...
360	... ...	+ 2·0303	+ 0·0008	...	+ 8·807	+ 0·262	...	...
361	Brisbane 1791 ...	+ 1·4011	− 0·0043	...	+ 8·975	+ 0·179	...	...
362	... ...	+ 1·4041	− 0·0042	...	+ 8·989	+ 0·179	...	...
363	... ...	+ 0·6938	− 0·0170	...	+ 9·036	+ 0·086	...	...
364	... ...	+ 3·5610	− 0·0108	...	+ 9·044	+ 0·459	..	...
365	Taylor 3310	+ 1·0683	− 0·0095	...	+ 9·149	+ 0·135	...	...
366	... ...	+ 2·0771	+ 0·0010	...	+ 9·163	+ 0·266	...	...
367	1 Cancri	+ 3·4160	− 0·0084	− 0·001	+ 9·208	+ 0·439	+ 0·04	2639
368	... ...	+ 0·7830	− 0·0153	...	+ 9·222	+ 0·098	...	...
369	... ...	+ 2·1015	+ 0·0011	...	+ 9·252	+ 0·268	...	...
370	... ...	+ 1·0869	− 0·0092	...	+ 9·256	+ 0·137	...	...
371	... ...	+ 0·8855	− 0·0135	...	+ 9·389	+ 0·110	...	...
372	... ...	+ 1·1554	− 0·0083	...	+ 9·418	+ 0·145	...	...
373	6 Cancri	+ 3·6994	− 0·0148	− 0·005	+ 9·663	+ 0·468	+ 0·07	2672
374	Brisbane 1855 ...	+ 0·7809	− 0·0165	...	+ 9·683	+ 0·096	...	2680
375	... ...	+ 0·4058	− 0·0273	...	+ 9·851	+ 0·048	...	...
376	Lacaille 3154 ...	+ 0·7726	− 0·0172	...	+ 9·923	+ 0·094	...	2713
377	... ...	+ 3·3075	− 0·0074	...	+ 10·051	+ 0·414	...	...
378	... ...	+ 1·0307	− 0·0116	...	+ 10·133	+ 0·126	...	...
379	Lacaille 3174 ..	+ 0·5247	− 0·0246	..	+ 10·136	+ 0·062	...	...
380	15 Argûs	+ 2·5608	+ 0·0009	− 0·007	+ 10·163	+ 0·318	− 0·06	2728
381	... .	+ 2·1510	+ 0·0015	...	+ 10·196	+ 0·266	...	—
382	16 Cancri 5	+ 3·4462	− 0·0103	+ 0·004	+ 10·364	+ 0·426	+ 0·11	2744
383	... .	+ 0·6535	− 0·0217	...	+ 10·371	+ 0·078	...	..
384	... .	+ 2·1596	+ 0·0016	...	+ 10·453	+ 0·265	..	..
385	... . ..	+ 2·1597	+ 0·0010	..	+ 10·486	+ 0·264	..	..

367.—The proper motions taken from "*Greenwich Catalogue* 1872."

Mean Positions of Stars for 1865 January 1st.

Number.	Star.	Magnitude.	Estimations.	Mean Right Ascension.			Mean Polar Distance.			Observations.	Fraction of year.
				h	m	s	°	′	″		
386	... ...	9·3	2	8	8	36·16	128	38	35·0	2	0·18
387	R Cancri Var. 1	7·6	2	8	9	7·07	77	51	44·0	2	0·10
388	... ...	9·2	1	8	9	27·79	74	16	13·5	1	0·06
389	W. B. N. VIII. 178 ...	9·6	1	8	9	58·75	74	16	26·2	1	0·06
390	... ...	9·4	2	8	10	19·08	150	32	40·8	2	0·17
391	... ...	9·3	1	8	10	27·32	151	26	28·7	1	0·18
392	... ...	8·8	2	8	11	23·32	152	4	42·0	2	0·14
393	... ...	8·5	1	8	13	22·82	131	41	24·8	1	0·19
394	... ...	9·5	1	8	14	31·53	154	5	17·7	1	0·21
395	... ...	8·2	2	8	14	52·04	142	17	6·5	2	0·20
396	Lacaille 3297	8·2	2	8	15	1·98	153	59	1·9	2	0·12
397	20 Cancri d[1]	5·9	...	8	15	37·82	71	14	14·0	1	0·18
398	... ...	9·5	1	8	16	20·04	77	31	59·3	1	0·14
399	... ...	8·8	1	8	17	25·74	77	49	19·5	1	0·13
400	... ...	9·7	1	8	17	59·65	154	22	54·4	2	0·20
401	... ...	9·8	2	8	18	38·92	70	2	10·3	2	0·07
402	... ...	9·7	2	8	18	47·94	151	0	55·9	2	0·19
403	Taylor 3599	8·0	1	8	20	18·26	144	52	57·1	1	0·19
404	W. B. N. VIII. 459	8·2	1	8	20	20·45	74	27	31·4	1	0·08
405	... ...	9·0	1	8	21	5·05	153	18	20·1	1	0·07
406	29 Cancri	5·9	...	8	21	5·20	75	20	42·2	3	0·08
407	... ...	8·0	2	8	21	32·24	131	41	46·8	2	0·21
408	Taylor 3620	7·9	1	8	23	12·90	130	47	59·7	1	0·13
409	... ...	8·3	1	8	23	34·49	128	38	46·5	1	0·23
410	33 Cancri η	5·5	...	8	24	53·55	69	6	11·1	10	0·16
411	Taylor 3651	7·8	1	8	25	41·92	130	3	32·7	1	0·23
412	Taylor 3652	8·0	1	8	25	46·10	130	2	52·1	1	0·23
413	... ...	9·0	1	8	28	42·53	75	19	20·0	2	0·15
414	W. B. N. VIII. 684 ...	8·7	2	8	29	4·28	70	39	7·0	2	0·20
415	Lacaille 3430	7·9	3	8	29	13·85	151	52	52·7	3	0·22
416	W. B. N. VIII. 699 ...	9·0	1	8	29	34·37	70	39	49·9	1	0·21
417	... ...	8·0	1	8	31	14·75	129	45	37·0	1	0·08
418	Taylor 3710	8·0	1	8	31	26·01	141	21	17·5	1	0·12
419	... ...	9·0	1	8	33	11·82	129	23	40·3	1	0·23
420	... ...	8·8	3	8	34	9·35	154	20	36·8	3	0·21

387.—R Cancri Var. 1.—Period 354 days. Range, 6th to 12th magnitude.
388—390.—Comparison stars for Ariadne in 1865.

Observed with the Madras Meridian Circle in that Year.

Number.	Star.	In Right Ascension. Annual Precession.	In Right Ascension. Secular Variation.	In Right Ascension. Proper Motion.	In Polar Distance. Annual Precession.	In Polar Distance. Secular Variation.	In Polar Distance. Proper Motion.	Number in B. A. C.
		s	s	s	"	"		
386	... ...	+ 2·1670	+ 0·0017	...	+ 10·672	+ 0·263	...	...
387	R Cancri Var. 1. ...	+ 3·3152	− 0·0060	...	+ 10·711	+ 0·404	...	...
388	... ...	+ 3·3002	− 0·0095	...	+ 10·736	+ 0·413	...	...
389	W. B. N. VIII. 178...	+ 3·3896	− 0·0096	...	+ 10·774	+ 0·412	...	...
390	... ...	+ 1·0771	− 0·0116	...	+ 10·800	+ 0·127	...	...
391	... ...	+ 1·0030	− 0·0133	...	+ 10·809	+ 0·118	...	...
392	... ...	+ 0·9526	− 0·0147	...	+ 10·878	+ 0·112	...	...
393	... ...	+ 2·0773	+ 0·0015	...	+ 11·024	+ 0·248	...	...
394	.. ..	+ 0·7808	− 0·0198	...	+ 11·107	+ 0·090	...	...
395	... ...	+ 1·6340	− 0·0021	...	+ 11·132	+ 0·193	...	...
396	Lacaille 3297 ...	+ 0·7047	− 0·0105	...	+ 11·144	+ 0·091	...	...
397	29 Cancri d¹	+ 3·4491	− 0·0114	− 0·005	+ 11·187	+ 0·413	+ 0·02	2799
398	... ...	+ 3·3168	− 0·0085	...	+ 11·250	+ 0·395	...	...
399	... .	+ 3·3103	− 0·0084	...	+ 11·318	+ 0·394	...	...
400	... ...	+ 0·7742	− 0·0207	...	+ 11·359	+ 0·088	...	...
401	... .	+ 3·4716	− 0·0122	...	+ 11·406	+ 0·413	...	...
402	... ...	+ 1·0878	− 0·0122	...	+ 11·417	+ 0·126	...	...
403	Taylor 3599 ...	+ 1·5162	− 0·0089	...	+ 11·525	+ 0·176	...	...
404	W. B. N. VIII. 459...	+ 3·3764	− 0·0100	...	+ 11·527	+ 0·398	...	...
405	... ...	+ 0·9012	− 0·0175	...	+ 11·581	+ 0·102	...	...
406	29 Corvi	+ 3·3575	− 0·0096	− 0·002	+ 11·581	+ 0·395	+ 0·01	2836
407	... ...	+ 2·1010	+ 0·0018	...	+ 11·612	+ 0·245	...	...
408	Taylor 3620 ...	+ 2·1361	+ 0·0020	...	+ 11·733	+ 0·248	...	...
409	... ...	+ 2·2060	+ 0·0023	...	+ 11·757	+ 0·256	...	...
410	33 Cancri η	+ 3·4838	− 0·0120	− 0·005	+ 11·852	+ 0·404	+ 0·06	2862
411	Taylor 3651	+ 2·1675	+ 0·0022	...	+ 11·908	+ 0·249	...	...
412	Taylor 3652	+ 2·1681	+ 0·0022	...	+ 11·912	+ 0·249	...	...
413	... ...	+ 3·3511	− 0·0092	...	+ 12·119	+ 0·384	...	...
414	W. B. N. VIII. 684...	+ 3·4457	− 0·0124	...	+ 12·145	+ 0·395	...	...
415	Lacaille 3430 ...	+ 1·0820	− 0·0135	...	+ 12·155	+ 0·121	...	...
416	W. B. N. VIII. 699...	+ 3·4448	− 0·0134	..	+ 12·179	+ 0·394	...	...
417	... ...	+ 2·1933	+ 0·0014	...	+ 12·295	+ 0·222	..	...
418	Taylor 3710	+ 1·7519	− 0·0006	...	+ 12·308	+ 0·197	...	...
419	... ...	+ 2·2104	+ 0·0026	...	+ 12·420	+ 0·248	..	...
420	... .	+ 0·8049	− 0·0197	...	+ 12·495	+ 0·007	...	..

397.—406.—Proper motions from "*Greenwich Catalogue* 1872."

Mean Positions of Stars for 1865 January 1st.

Number.	Star.	Magnitude.	Estimations.	Mean Right Ascension.			Mean Polar Distance.			Observations.	Fraction of Year.
				h.	m.	s.	°	′	″		
421	... ...	7·8	1	8	34	41·72	129	46	35·1	1	0·08
422	Lacaille 3491	7·9	1	8	36	2·46	152	22	2·7	1	0·03
423	b Velorum...	4·1	...	8	36	8·85	136	10	12·5	2	0·19
424	Taylor 3767	7·2	1	8	36	21·27	149	50	28·7	1	0·13
425	47 Cancri δ	4·3	...	8	37	0·48	71	21	7·0	2	0·11
426	... ...	9·3	2	8	37	18·16	136	3	45·8	2	0·22
427	... ...	8·2	1	8	37	52·45	136	5	47·3	1	0·18
428	50 Cancri A²	5·8	...	8	39	32·00	77	23	48·7	1	0·26
429	11 Hydræ ε	3·6	...	8	39	37·48	83	5	17·9	17	0·16
430	... ...	8·6	1	8	40	31·66	129	15	46·7	1	0·24
431	... ...	8·6	2	8	41	3·24	147	16	55·8	2	0·21
432	Lacaille 3534	8·0	1	8	42	19·54	129	18	10·3	1	0·24
433	... ...	9·3	2	8	42	57·61	136	10	42·7	2	0·24
434	Lacaille 3573	8·0	2	8	44	14·15	152	41	38·6	2	0·19
435	... ...	9·0	1	8	45	49·08	86	27	25·5	1	0·23
436	... ...	8·1	2	8	46	46·21	132	53	28·2	2	0·19
437	... ...	8·2	2	8	46	58·00	136	6	15·7	2	0·23
438	... ...	9·1	2	8	47	42·17	133	56	8·0	2	0·19
439	... ...	8·0	2	8	48	46·85	133	1	22·1	3	0·21
440	T Cancri Var. 3	8·5	2	8	48	57·23	69	38	12·6	2	0·18
441	... ...	8·0	1	8	49	15·68	132	54	32·8	1	0·14
442	... ...	7·9	1	8	49	22·19	132	59	13·7	1	0·23
443	9 Ursæ Majoris ι	3·2	...	8	49	56·89	41	25	50·9	2	0·21
444	... ...	8·1	2	8	50	17·41	132	57	9·5	2	0·17
445	65 Cancri α	4·3	...	8	51	6·13	77	37	19·8	4	0·09
446	... ...	9·7	1	8	51	23·37	147	15	46·1	1	0·19
447	... ...	9·3	1	8	51	56·95	137	24	54·8	1	0·26
448	... ...	8·1	1	8	53	59·62	132	55	51·6	1	0·16
449	... ...	8·0	1	8	54	11·62	142	41	23·0	1	0·23
450	... ...	8·6	2	8	54	59·43	142	49	11·8	2	0·18
451	... ...	9·6	2	8	56	21·28	146	51	14·5	2	0·23
452	... ...	8·2	2	8	56	30·00	146	46	17·1	3	0·17
453	... ...	8·7	1	8	56	41·19	146	55	57·0	1	0·15
454	... ...	8·6	1	8	56	56·32	146	35	49·6	1	0·21
455	... ...	9·1	2	8	58	7·22	146	40	57·1	2	0·18

440.—T Cancri Var. 3. Period 451 days. Range, 8th to 10.5 magnitude.

Observed with the Madras Meridian Circle in that Year.

Number.	Star.	In Right Ascension. Annual Precession.	In Right Ascension. Secular Variation.	In Right Ascension. Proper Motion.	In Polar Distance. Annual Precession.	In Polar Distance. Secular Variation.	In Polar Distance. Proper Motion.	Number in B. A. C.
		s	s	s	"	"		
421	... ...	+ 2·2032	+ 0·0027	...	+ 12·532	+ 0·246	...	...
422	Lacaille 3491 ...	+ 1·0876	− 0·0141	...	+ 12·624	+ 0·118	...	2940
423	b Velorum	+ 1·9908	+ 0·0018	...	+ 12·631	+ 0·221	...	2947
424	Taylor 3767	+ 1·2861	− 0·0089	...	+ 12·645	+ 0·141	...	...
425	47 Cancri δ	+ 3·4214	− 0·0125	− 0·002	+ 12·690	+ 0·382	+ 0·24	2953
426	... ...	+ 1·9961	+ 0·0019	...	+ 12·709	+ 0·220	...	...
427	... ...	+ 1·9997	+ 0·0019	...	+ 12·750	+ 0·220	...	...
428	50 Cancri A[2] ...	+ 3·3015	− 0·0095	− 0·007	+ 12·860	+ 0·364	+ 0·07	2970
429	11 Hydræ ε	+ 3·1963	− 0·0071	− 0·013	+ 12·866	+ 0·351	+ 0·04	2971
430	... ...	+ 2·2365	+ 0·0031	...	+ 12·926	+ 0·244	...	...
431	... ...	+ 1·4840	− 0·0049	...	+ 12·962	+ 0·159	...	...
432	Lacaille 3534 ...	+ 2·2408	+ 0·0032	...	+ 13·046	+ 0·242	...	...
433	... ...	+ 2·0165	+ 0·0023	...	+ 13·089	+ 0·217	...	...
434	Lacaille 3573 ...	+ 1·1194	− 0·0140	...	+ 13·173	+ 0·117	...	3008
435	... ...	+ 3·1341	− 0·0058	...	+ 13·278	+ 0·277	...	...
436	... ...	+ 2·1447	+ 0·0032	...	+ 13·339	+ 0·228	...	...
437	... ...	+ 2·0353	+ 0·0026	...	+ 13·352	+ 0·216	...	...
438	... ...	+ 2·1466	+ 0·0032	...	+ 13·400	+ 0·227	...	...
439	... ...	+ 2·1477	+ 0·0033	...	+ 13·470	+ 0·226	...	...
440	T Cancri Var. 3 ...	+ 3·4395	− 0·0141	...	+ 13·482	+ 3·366	...	...
441	... ...	+ 2·1531	+ 0·0033	...	+ 13·501	+ 0·226	...	...
442	... ...	+ 2·1510	+ 0·0033	...	+ 13·508	+ 0·226	...	...
443	9 Ursæ Majoris ι ...	+ 4·1892	− 0·0446	− 0·047	+ 13·546	+ 0·443	+ 0·28	3018
444	.. ..	+ 2·1559	+ 0·0034	...	+ 13·568	+ 0·226	...	...
445	65 Cancri α	+ 3·2575	− 0·0098	0·000	+ 13·620	+ 0·346	+ 0·04	3055
446	... ...	+ 1·5474	− 0·0037	...	+ 13·638	+ 0·159	...	...
447	... ...	+ 2·0080	+ 0·0027	...	+ 13·674	+ 0·208	...	...
448	... ...	+ 2·1699	+ 0·0037	...	+ 13·804	+ 0·224	...	...
449	... ...	+ 1·8005	+ 0·0005	...	+ 13·817	+ 0·184	...	...
450	... .	+ 1·7987	+ 0·0005	...	+ 13·868	+ 0·184	...	...
451	... ...	+ 1·6015	− 0·0026	...	+ 13·953	+ 0·162	...	...
452	.. ..	+ 1·6080	− 0·0026	...	+ 13·973	+ 0·162	...	...
453	... .	+ 1·5992	− 0·0027	..	+ 13·974	+ 0·161	...	...
454	. ... ..	+ 1·6195	− 0·0023	.	+ 13·990	+ 0·163	...	...
455	... .	+ 1·6138	− 0·0021	..	+ 14·061	+ 0·162	...	..

428.—Proper motions from "*Greenwich Catalogue* 1864."

Mean Positions of Stars for 1865 January 1st.

Number.	Star.	Magnitude.	Estimations.	Mean Right Ascension.			Mean Polar Distance.			Observations.	Fraction of Year.
				h.	m.	s.	°	′	″		
456	... ...	9·0	1	8	58	11·10	146	18	37·9	1	0·18
457	76 Cancri κ	5·0	...	9	0	25·96	78	47	27·9	2	0·03
458	... ...	8·3	2	9	1	5·09	150	1	46·1	2	0·25
459	... ...	8·8	1	9	1	52·45	128	57	23·6	1	0·23
460	Lacaille 3705	7·6	2	9	2	15·22	151	17	18·5	2	0·24
461	... ...	9·0	2	9	3	59·36	132	27	59·0	2	0·19
462	Taylor 4021	7·7	1	9	5	33·14	138	44	27·4	1	0·24
463	... ...	9·0	1	9	6	32·85	138	41	46·0	1	0·04
464	82 Cancri π²	5·6	...	9	7	46·49	74	30	2·8	1	0·18
465	Lacaille 3747	8·5	1	9	7	46·69	150	24	5·1	1	0·10
466	... ...	10·0	1	9	9	28·14	73	52	56·6	1	0·23
467	Lacaille 3774	8·8	3	9	9	54·93	157	0	59·4	3	0·16
468	83 Cancri	6·6	...	9	11	26·57	71	43	28·4	12	0·18
469	... ...	8·0	1	9	13	6·92	72	18	12·6	1	0·03
470	ι Argûs	2·5	...	9	13	28·59	148	42	36·9	2	0·23
471	... ...	9·0	1	9	15	17·47	143	48	55·2	1	0·23
472	... ...	9·3	2	9	15	59·97	25	4	41·1	2	0·24
473	... ...	9·2	1	9	16	19·88	130	1	17·5	1	0·23
474	... ...	9·5	3	9	17	35·95	75	5	42·8	3	0·20
475	O. A. N. 9881	8·9	2	9	17	42·61	25	3	58·9	2	0·24
476	... ...	7·8	1	9	19	32·37	75	6	40·1	1	0·04
477	... ...	8·1	1	9	20	26·81	137	28	12·8	1	0·26
478	... ...	9·0	2	9	20	52·10	158	38	29·2	2	0·17
479	30 Hydræ α Var. 2 ...	2·0	...	9	20	57·15	98	4	31·5	11	0·19
480	Lacaille 3853	8·0	1	9	22	34·35	131	50	32·3	1	0·26
481	25 Ursæ Majoris θ ...	3·2	...	9	23	48·66	37	42	35·1	1	0·23
482	... ...	9·6	1	9	24	21·34	158	41	1·7	1	0·24
483	Lacaille 3886	8·7	1	9	24	45·35	141	50	4·1	1	0·23
484	Lacaille 3887	7·8	1	9	24	57·13	140	0	49·1	1	0·23
485	... ...	9·0	1	9	26	44·09	145	2	41·4	1	0·23
486	... ...	9·2	1	9	26	57·36	144	58	24·9	1	0·24
487	Taylor 4222	8·0	2	9	27	46·67	146	23	36·8	2	0·22
488	... ...	9·0	1	9	28	1·00	128	46	9·4	1	0·16
489	Taylor 4226	7·3	1	9	28	30·48	146	20	48·4	1	0·24
490	... ...	9·4	1	9	29	34·64	146	38	51·7	1	0·26

472—475.—Comparison stars for Comet 2, 1861.
479.—α Hydræ Var. 2.—Supposed to vary irregularly from 2.0 to 2.5 magnitude.

Observed with the Madras Meridian Circle in that Year.

Number.	Star.	In Right Ascension. Annual Precession.	Secular Variation.	Proper Motion.	In Polar Distance. Annual Precession.	Secular Variation.	Proper Motion.	Number in B. A. C.
		s	s	s	"	"		
456	... .	+ 1·6428	− 0·0018	...	+ 14·068	+ 0·165	...	...
457	76 Cancri κ	+ 3·2591	− 0·0004	− 0·002	+ 14·208	+ 0·330	0·00	3111
458	... ...	+ 1·4404	− 0·0062	...	+ 14·248	+ 0·142	...	...
459	... ...	+ 2·3141	+ 0·0014	...	+ 14·297	+ 0·231	...	...
460	Lacaille 3705 ...	+ 1·3632	− 0·0083	...	+ 14·320	+ 0·133	...	...
461	... ...	+ 2·2120	+ 0·0045	...	+ 14·425	+ 0·218	...	...
462	Taylor 4021	+ 2·0209	+ 0·0037	...	+ 14·520	+ 0·197	...	...
463	... ...	+ 2·0272	+ 0·0037	...	+ 14·580	+ 0·197	...	...
464	82 Cancri π²	+ 3·3252	− 0·0117	− 0·004	+ 14·654	+ 0·325	− 0·02	3147
465	Lacaille 3747 ...	+ 1·4652	− 0·0057	...	+ 14·654	+ 0·140	...	...
466	... ...	+ 3·3337	− 0·0121	...	+ 14·755	+ 0·323	...	...
467	Lacaille 3774 ...	+ 0·9260	− 0·0244	...	+ 14·781	+ 0·085	...	...
468	83 Cancri	+ 3·3682	− 0·0134	− 0·012	+ 14·871	+ 0·323	+ 0·16	3171
469	... ...	+ 3·3560	− 0·0131	...	+ 14·969	+ 0·320	...	...
470	ι Argûs	+ 1·6106	− 0·0022	...	+ 14·990	+ 0·150	...	3186
471	... .	+ 1·8686	+ 0·0026	...	+ 15·005	+ 0·174	...	...
472	... ...	+ 4·9465	− 0·1123	...	+ 15·135	+ 0·466	...	...
473	... ...	+ 2·0639	+ 0·0048	...	+ 15·154	+ 0·190	...	...
474	... ...	+ 3·3037	− 0·0116	...	+ 15·226	+ 0·307	...	...
475	O. A. N. 9881 ...	+ 4·9313	− 0·1126	...	+ 15·233	+ 0·461	...	...
476	... ...	+ 3·3011	− 0·0116	...	+ 15·337	+ 0·303	...	...
477	... ...	+ 2·1374	+ 0·0057	...	+ 15·388	+ 0·193	...	...
478	... ...	+ 0·8844	− 0·0285	...	+ 15·412	+ 0·076	...	...
479	30 Hydræ α Var. 2 ...	+ 2·9506	− 0·0013	− 0·004	+ 15·417	+ 0·268	− 0·03	3223
480	Lacaille 3853 ...	+ 2·3089	+ 0·0063	...	+ 15·506	+ 0·207	...	...
481	25 Ursæ Majoris θ ...	+ 4·1614	− 0·0561	− 0·111	+ 15·575	+ 0·374	+ 0·57	3242
482	... ...	+ 0·9200	− 0·0275	...	+ 15·605	+ 0·077	...	...
483	Lacaille 3886 ...	+ 2·0058	+ 0·0052	...	+ 15·627	+ 0·176	...	...
484	Lacaille 3887 ...	+ 2·0740	+ 0·0067	...	+ 15·638	+ 0·182	...	...
485	... ...	+ 1·8862	+ 0·0037	...	+ 15·735	+ 0·164	...	...
486	... .	+ 1·8907	+ 0·0038	...	+ 15·747	+ 0·164	...	...
487	Taylor 4222	+ 1·8319	+ 0·0029	...	+ 15·792	+ 0·158	...	...
488	... .	+ 2·4111	+ 0·0066	...	+ 15·804	+ 0·210	...	...
489	Taylor 4226	+ 1·8332	+ 0·0030	...	+ 15·839	+ 0·157	...	...
490	... ...	+ 1·8364	+ 0·0031	...	+ 15·858	+ 0·156	...	...

Mean Positions of Stars for 1865 January 1st.

Number.	Star.	Magnitude.	Estimations.	Mean Right Ascension.			Mean Polar Distance.			Observations.	Fraction of Year.
				h.	m.	s.	°	′	″		
491	10 Leonis	5·0	...	9	30	4·87	82	33	38·9	2	0·11
492	... ...	8·3	2	9	32	56·51	129	47	52·1	2	0·16
493	14 Leonis ο	3·8	...	9	33	56·40	79	29	43·4	2	0·08
494	Lacaille 3980	8·4	2	9	34	32·35	148	34	2·5	2	0·13
495	... ...	8·8	2	9	34	46·34	130	34	56·8	2	0·24
496	Taylor 4280	7·8	1	9	34	46·43	142	10	59·9	1	0·23
497	... ...	8·3	3	9	34	53·45	151	56	50·3	3	0·17
498	... ...	8·3	3	9	35	35·52	151	56	40·9	3	0·17
499	17 Leonis ε	3·1	...	9	38	10·99	65	36	22·5	12	0·10
500	... ...	6·0	...	9	39	2·73	82	40	12·2	2	0·26
501	... ...	7·0	1	9	41	52·43	130	49	37·5	1	0·26
502	... ...	9·1	2	9	43	29·05	143	57	8·3	2	0·24
503	... ...	8·2	1	9	43	36·67	143	46	10·7	1	0·23
504	... ...	8·7	1	9	44	7·53	147	1	53·6	1	0·15
505	... ...	9·0	2	9	44	59·51	129	47	38·3	2	0·16
506	... ...	9·0	1	9	45	58·50	129	3	9·4	1	0·24
507	R. P. L. 70	6·5	...	9	46	28·85	5	26	4·7	1	0·22
508	... ...	9·1	2	9	46	29·00	129	7	14·2	2	0·23
509	... ...	9·3	1	9	48	35·65	152	7	57·8	1	0·24
510	... ...	8·0	2	9	50	49·77	145	30	30·3	2	0·23
511	29 Leonis π	5·0	...	9	53	4·62	81	18	35·2	13	0·18
512	... ...	9·1	1	9	53	54·93	152	7	4·2	1	0·24
513	... ...	8·1	2	9	54	10·94	143	58	32·8	2	0·26
514	Taylor 4445	8·0	1	9	54	45·18	147	23	57·6	1	0·24
515	... ...	9·0	1	9	55	54·00	147	24	33·3	1	0·15
516	... ...	9·7	2	9	56	1·10	129	57	42·7	2	0·18
517	... ...	9·0	2	9	57	0·84	129	56	56·0	2	0·18
518	... ...	9·0	1	9	57	50·00	145	33	21·5	1	0·26
519	Taylor 4476	7·9	1	9	57	53·58	145	36	22·5	1	0·15
520	... ...	8·7	1	9	58	11·24	143	54	26·0	1	0·26
521	Taylor 4484	7·5	3	9	58	42·35	151	30	15·6	3	0·20
522	32 Leonis α (*Regulus*) ...	1·4	...	10	1	10·77	77	22	28·3	11	0·22
523	... ...	9·0	1	10	1	23·73	130	0	15·8	1	0·04
524	Lacaille 4164	7·0	1	10	2	14·73	143	54	21·5	1	0·26
525	... .	9·3	2	10	2	49·25	129	57	53·0	2	0·20

507.—Carrington 1451.

Observed with the Madras Meridian Circle in that Year.

Number.	Star.	In Right Ascension.			In Polar Distance.			Number in B. A. C.
		Annual Precession.	Secular Variation.	Proper Motion.	Annual Precession.	Secular Variation.	Proper Motion.	
		s	s	s	"	"		
491	10 Leonis	+ 3·1783	− 0·0077	− 0·006	+ 15·915	+ 0·276	0·00	3286
492	... ...	+ 2·4054	+ 0·0072	...	+ 16·066	+ 0·203	...	...
493	14 Leonis *o*	+ 3·2196	− 0·0093	− 0·013	+ 16·118	+ 0·273	+ 0·04	3312
494	Lacaille 3980 ..	+ 1·7750	+ 0·0024	...	+ 16·149	+ 0·147	...	...
495	... .	+ 2·3940	+ 0·0075	...	+ 16·162	+ 0·200	...	...
496	Taylor 4280	+ 2·0466	+ 0·0065	...	+ 16·161	+ 0·170	...	...
497	... .	+ 1·5876	− 0·0021	...	+ 16·167	+ 0·130	...	...
498	... .	+ 1·5939	− 0·0020	...	+ 16·204	+ 0·130	...	...
499	17 Leonis *ε*	+ 3·4237	− 0·0180	− 0·004	+ 16·337	+ 0·282	+ 0·02	3331
500	... ...	+ 3·1713	− 0·0075	...	+ 16·380	+ 0·260	...	3336
501	... .	+ 2·4173	+ 0·0083	...	+ 16·522	+ 0·193	...	...
502	... ...	+ 2·0415	+ 0·0075	...	+ 16·601	+ 0·160	...	...
503	... ...	+ 2·0490	+ 0·0075	...	+ 16·607	+ 0·160	...	...
504	... ...	+ 1·9204	+ 0·0060	...	+ 16·633	+ 0·150	...	...
505	... ...	+ 2·4533	+ 0·0085	...	+ 16·675	+ 0·192	...	...
506	... ...	+ 2·4734	+ 0·0086	...	+ 16·722	+ 0·192	...	...
507	R. P. L. 70	+ 10·8035	− 1·5890	...	+ 16·747	+ 0·860	...	...
508	... ...	+ 2·4739	+ 0·0086	...	+ 16·747	+ 0·192	...	...
509	... ...	+ 1·7004	+ 0·0017	...	+ 16·848	+ 0·128	...	...
510	... ...	+ 2·0266	+ 0·0082	...	+ 16·953	+ 0·151	...	...
511	29 Leonis *π*	+ 3·1795	− 0·0080	− 0·003	+ 17·057	+ 0·236	+ 0·03	3415
512	... ...	+ 1·7500	+ 0·0034	...	+ 17·095	+ 0·127	...	...
513	... ...	+ 2·1127	+ 0·0097	...	+ 17·108	+ 0·154	...	...
514	Taylor 4445	+ 1·9822	+ 0·0083	...	+ 17·134	+ 0·143	...	...
515	... ...	+ 1·9942	+ 0·0086	...	+ 17·186	+ 0·143	...	...
516	... .	+ 2·4951	+ 0·0097	...	+ 17·191	+ 0·180	...	...
517	... ...	+ 2·3002	+ 0·0099	...	+ 17·242	+ 0·170	...	...
518	... ...	+ 2·0815	+ 0·0099	...	+ 17·272	+ 0·147	...	...
519	Taylor 4476	+ 2·0800	+ 0·0100	...	+ 17·276	+ 0·147	...	...
520	... .	+ 2·1426	+ 0·0105	...	+ 17·288	+ 0·151	...	...
521	Taylor 4484	+ 1·8286	+ 0·0058	...	+ 17·311	+ 0·128	...	...
522	32 Leonis *α* (*Regulus*)	+ 3·2204	− 0·0102	− 0·010	+ 17·420	+ 0·225	− 0·01	3450
523	. ... ..	+ 2·3170	+ 0·0104	...	+ 17·429	+ 0·175	...	...
524	Lacaille 4164 ..	+ 2·1708	+ 0·0115	...	+ 17·465	+ 0·148	...	...
525	... .	+ 2·3239	+ 0·0106	...	+ 17·490	+ 0·172	...	...

Mean Positions of Stars for 1865 January 1st.

Number.	Star.	Magnitude.	Estimations.	Mean Right Ascension.			Mean Polar Distance.			Observations.	Fraction of Year.
				h.	m.	s.	°	′	″		
526	... ...	8·2	2	10	5	10·16	140	30	3·3	2	0·22
527	Taylor 4538	7·1	1	10	6	12·04	129	19	44·6	1	0·27
528	... .	9·0	2	10	7	9·77	129	58	26·3	2	0·24
529	.. ..	9·2	1	10	9	3·84	139	52	0·4	1	0·24
530	R. P. L. 72	6·6	...	10	9	31·13	5	3	59·6	1	0·70
531	... ...	7·1	1	10	9	53·80	145	34	42·2	1	0·26
532	... ...	9·4	2	10	10	18·74	139	51	29·3	2	0·19
533	41 Leonis γ^1	2·2	...	10	12	31·46	69	28	38·3	9	0·22
534	... ...	9·3	1	10	12	53·97	128	37	14·0	1	0·16
535	43 Leonis	6·2	1	10	15	56·43	82	46	23·7	2	0·26
536	... ...	7·0	1	10	16	14·35	129	16	33·6	1	0·27
537	Taylor 4653	8·0	2	10	18	4·15	151	23	32·1	2	0·22
538	... ...	9·2	1	10	18	47·80	146	8	44·5	1	0·24
539	45 Leonis	5·9	...	10	20	31·07	79	33	3·2	2	0·07
540	... ...	8·2	2	10	21	54·68	146	55	12·5	2	0·27
541	... ...	9·0	1	10	21	58·26	146	50	20·6	1	0·30
542	... ...	9·9	1	10	23	25·13	76	5	36·7	1	0·30
543	47 Leonis ρ	4·0	...	10	25	42·02	79	59	59·9	14	0·22
544	... ...	9·0	1	10	26	32·25	152	26	5·1	1	0·33
545	p Carinæ	3·6	...	10	27	13·96	150	59	32·6	2	0·23
546	... ...	9·5	1	10	28	6·91	150	50	14·1	1	0·25
547	Taylor 4700	6·0	1	10	30	24·42	146	51	35·0	1	0·30
548	... ...	6·7	1	10	31	6·17	151	9	56·6	2	0·29
549	... ...	9·4	1	10	34	54·78	139	16	58·1	1	0·26
550	... ...	8·5	1	10	35	5·34	140	5	59·4	1	0·27
551	Taylor 4824	7·5	4	10	36	8·66	148	58	21·2	4	0·32
552	... ...	9·4	1	10	36	33·61	150	47	31·8	1	0·25
553	... ...	6·1	1	10	37	32·24	151	29	39·4	1	0·20
554	Taylor 4849	6·8	2	10	38	41·75	149	24	36·5	2	0·31
555	Taylor 4850 ... 2nd...	8·8	1	10	38	44·51	148	50	25·2	1	0·30
556	... ...	9·0	1	10	39	5·28	148	34	31·8	1	0·27
557	η Argûs Var. 1	6·0	1	10	39	40·01	148	58	33·4	3	0·28
558	Taylor 4872	6·0	1	10	41	7·08	151	13	53·3	1	0·26
559	... .	9·3	2	10	41	58·69	149	28	11·2	2	0·31
560	53 Leonis l	5·3	...	10	42	9·52	78	44	29·5	11	0·23

530.—Groombridge 1630.
557.—η Argûs Var. 1. Irregularly variable from 1st to 9th magnitude.

Observed with the Madras Meridian Circle in that Year.

Number.	Star.	In Right Ascension. Annual Precession.	In Right Ascension. Secular Variation.	In Right Ascension. Proper Motion.	In Polar Distance. Annual Precession.	In Polar Distance. Secular Variation.	In Polar Distance. Proper Motion.	Number in B. A. C.
		s	s	s	"	"	"	
526	... ...	+ 2·2936	+ 0·0124	...	+ 17·594	+ 0·153	...	...
527	Taylor 4538	+ 2·5504	+ 0·0100	...	+ 17·633	+ 0·169	...	..
528	... .	+ 2·5123	+ 0·0112	...	+ 17·673	+ 0·167	...	...
529	... ...	+ 2·3341	+ 0·0131	...	+ 17·751	+ 0·150	...	...
530	R. P. L. 72	+ 10·0642	− 1·6641	− 0·079	+ 17·769	+ 0·673	+ 0·05	3405
531	... ...	+ 2·1704	+ 0·0129	...	+ 17·785	+ 0·138	...	...
532	... ...	+ 2·3419	+ 0·0134	...	+ 17·801	+ 0·149	...	...
533	41 Leonis γ^1... ..	+ 3·2982	− 0·0146	+ 0·019	+ 17·890	+ 0·208	+ 0·15	3523
534	... .	+ 2·5910	+ 0·0115	...	+ 17·905	+ 0·162	...	...
535	43 Leonis	+ 3·1465	− 0·0068	− 0·001	+ 18·023	+ 0·194	+ 0·09	3544
536	... ...	+ 2·5938	+ 0·0121	...	+ 18·034	+ 0·158	...	...
537	Taylor 4653	+ 2·0174	+ 0·0129	...	+ 18·104	+ 0·119	...	...
538	... ...	+ 2·2203	+ 0·0152	...	+ 18·131	+ 0·131	...	...
539	45 Leonis	+ 3·1758	− 0·0084	− 0·002	+ 18·195	+ 0·187	+ 0·01	3575
540	... .	+ 2·2202	+ 0·0160	...	+ 18·246	+ 0·126	...	...
541	... ...	+ 2·2184	+ 0·0160	...	+ 18·248	+ 0·126	...	
542	... .	+ 3·2075	− 0·0102	...	+ 18·300	+ 0·183	...	..
543	47 Leonis ρ	+ 3·1663	− 0·0080	0·000	+ 18·381	+ 0·176	+ 0·03	3600
544	... ...	+ 2·0563	+ 0·0154	...	+ 18·410	+ 0·111	...	...
545	*p* Carinæ	+ 2·1225	+ 0·0165	...	+ 18·434	+ 0·114	...	3619
546	... ...	+ 2·1371	+ 0·0160	...	+ 18·465	+ 0·114	...	...
547	Taylor 4769	+ 2·2910	+ 0·0184	...	+ 18·542	+ 0·120	...	3635
548	... ...	+ 2·1535	+ 0·0170	...	+ 18·565	+ 0·111	...	...
549	... ...	+ 2·5085	+ 0·0182	...	+ 18·689	+ 0·125	...	...
550	.. ..	+ 2·2632	+ 0·0199	...	+ 18·694	+ 0·112	...	...
551	Taylor 4824	+ 2·2709	+ 0·0203	...	+ 18·728	+ 0·111	...	3673
552	... .	+ 2·2205	+ 0·0202	...	+ 18·740	+ 0·107	...	...
553	... ...	+ 2·2053	+ 0·0205	...	+ 18·771	+ 0·105	...	...
554	Taylor 4849	+ 2·2865	+ 0·0211	...	+ 18·806	+ 0·108	...	3689
555	Taylor 4850 : 2nd .	+ 2·3044	+ 0·0211	...	+ 18·807	+ 0·109	...	.
556	.. ... .	+ 2·3155	+ 0·0213	...	+ 18·818	+ 0·100	...	...
557	η Argûs Var. 1 ..	+ 2·3102	+ 0·0215	...	+ 18·840	+ 0·107	...	3695
558	Taylor 4872	+ 2·2504	+ 0·0220	..	+ 18·879	+ 0·102	...	...
559	... .	+ 2·3177	+ 0·0223	...	+ 18·904	+ 0·105	...	...
560	53 Leonis *l*	+ 3·1007	− 0·0080	− 0·003	+ 18·910	+ 0·146	+ 0·02	3708

535.—539.—Proper motions from "*Greenwich Catalogue 1864.*"

Mean Positions of Stars for 1865 January 1st.

Number.	Star.	Magnitude.	Estimations.	Mean Right Ascension.			Mean Polar Distance.			Observations.	Fraction of Year.
				h.	m.	s.	°	′	″		
561	Taylor 4915	7·6	2	10	46	35·12	135	30	5·5	2	0·23
562	55 Leonis...	6·0	...	10	48	45·67	88	32	38·9	2	0·19
563	... ...	9·1	2	10	50	34·68	148	48	24·3	2	0·29
564	Taylor 4955	7·1	1	10	50	43·20	147	19	57·6	1	0·26
565	... ...	9·0	1	10	51	58·30	143	45	47·8	2	0·29
566	... ...	9·0	1	10	52	21·55	143	36	35·9	1	0·23
567	... ...	8·7	2	10	53	35·13	149	15	5·1	2	0·28
568	59 Leonis c	5·1	...	10	53	44·92	83	10	27·0	1	0·19
569	.. ..	8·8	3	10	53	49·98	135	33	7·8	3	0·26
570	50 Urs. Maj. α (*Dubhe*) ...	2·0	...	10	55	22·22	27	31	15·0	4	0·25
571	... ...	8·0	1	10	55	40·50	140	17	7·5	1	0·33
572	... ...	9·3	2	10	57	2·08	145	32	40·8	2	0·26
573	63 Leonis χ	4·7	...	10	58	3·08	81	56	5·8	7	0·26
574	Lacaille 4595	8·0	2	10	59	21·53	148	59	11·1	2	0·34
575	Lacaille 4612	8·5	1	10	0	57·36	154	46	54·1	1	0·20
576	... ...	8·4	1	10	1	4·03	135	33	57·3	1	0·26
577	67 Leonis	5·6	...	10	1	34·03	64	36	42·2	1	0·30
578	... ...	8·1	1	10	1	51·74	140	14	4·9	1	0·33
579	... ...	8·0	1	10	2	0·72	148	56	29·6	2	0·34
580	Lalande 21371	8·0	1	11	3	33·52	77	58	0·0	1	0·22
581	Lalande 21416	9·1	1	11	5	1·86	67	12	40·5	1	0·32
582	... ...	8·1	1	11	5	51·90	148	59	4·2	1	0·33
583	Taylor 5108	5·9	1	11	6	49·42	140	35	3·9	1	0·19
584	61 Leonis p[5]	5·5	...	11	6	50·87	89	20	9·7	1	0·11
585	68 Leonis δ	2·7	...	11	6	55·45	68	44	14·9	5	0·26
586	... ...	9·3	1	11	8	36·00	150	51	9·3	1	0·23
587	... ...	8·7	1	11	9	47·15	147	15	18·7	1	0·30
588	74 Leonis φ	4·5	...	11	9	47·75	92	54	53·1	2	0·19
589	... .	8·5	1	11	10	28·25	148	56	9·4	1	0·33
590	... ...	9·0	1	11	10	34·06	141	8	55·0	1	0·30
591	... ...	8·3	1	11	11	10·92	127	38	41·8	1	0·32
592	12 Hydræ & Crateris δ ..	3·9	...	11	12	35·50	104	2	51·6	6	0·25
593	... ...	7·7	1	11	12	51·47	120	32	27·0	1	0·33
594	. ...	7·9	2	11	15	52·77	128	21	55·8	2	0·28
595	Lacaille 4736	8·1	3	11	16	8·03	145	51	49·6	3	0·27

577.—Comparison star for Thalia in 1862.

Observed with the Madras Meridian Circle in that Year.

Number.	Star.	In Right Ascension. Annual Precession.	In Right Ascension. Secular Variation.	In Right Ascension. Proper Motion.	In Polar Distance. Annual Precession.	In Polar Distance. Secular Variation.	In Polar Distance. Proper Motion.	Number in B. A. C.
		s	s	s	"	"	"	
561	Taylor 4915	+ 2·6437	+ 0·0190	...	+ 19·085	+ 0·113	...	...
562	55 Leonis	+ 3·0825	− 0·0026	+ 0·007	+ 19·094	+ 0·130	0·00	3749
563	... ...	+ 2·4134	+ 0·0254	...	+ 19·142	+ 0·097	...	...
564	Taylor 4955	+ 2·4512	+ 0·0250	...	+ 19·146	+ 0·097	...	...
565	... ...	+ 2·5385	+ 0·0239	...	+ 19·178	+ 0·100	...	...
566	... ...	+ 2·5445	+ 0·0239	...	+ 19·188	+ 0·100	...	...
567	.. ..	+ 2·4299	+ 0·0267	...	+ 19·219	+ 0·093	...	...
568	59 Leonis c	+ 3·1178	− 0·0052	− 0·005	+ 19·222	+ 0·122	+ 0·06	3769
569	... .	+ 2·6843	+ 0·0204	...	+ 19·225	+ 0·103	...	...
570	50 Urs. Maj α (*Dubhe*)	+ 3·7861	− 0·0821	− 0·017	+ 19·263	+ 0·144	+ 0·09	3777
571	... ...	+ 2·4487	+ 0·0274	...	+ 19·270	+ 0·091	...	...
572	... ...	+ 2·5431	+ 0·0262	...	+ 19·303	+ 0·093	...	...
573	63 Leonis χ	+ 3·1226	− 0·0056	− 0·024	+ 19·327	+ 0·113	+ 0·08	3788
574	Lacaille 4595 ...	+ 2·4910	+ 0·0287	...	+ 19·358	+ 0·087	...	...
575	Lacaille 4612 ...	+ 2·3488	+ 0·0315	...	+ 19·393	+ 0·079	...	...
576	... ...	+ 2·7253	+ 0·0216	...	+ 19·395	+ 0·093	...	...
577	67 Leonis	+ 3·2322	− 0·0164	+ 0·003	+ 19·407	+ 0·111	− 0·01	3809
578	... ...	+ 2·5084	+ 0·0297	...	+ 19·413	+ 0·084	...	...
579	... ...	+ 2·5164	+ 0·0296	...	+ 19·416	+ 0·084	...	...
580	Lalande 21371 ...	+ 3·1416	− 0·0076	...	+ 19·450	+ 0·105	...	...
581	Lalande 21416 ...	+ 3·2055	− 0·0144	...	+ 19·481	+ 0·103	...	...
582	... ...	+ 2·5517	+ 0·0311	...	+ 19·498	+ 0·079	...	...
583	Taylor 5108	+ 2·5484	+ 0·0319	...	+ 19·517	+ 0·077	...	3835
584	60 Leonis p^3	+ 3·0757	− 0·0013	0·000	+ 19·518	+ 0·095	0·00	3832
585	68 Leonis δ	+ 3·1914	− 0·0132	+ 0·011	+ 19·520	+ 0·098	+ 0·14	3834
586	... ...	+ 2·5392	+ 0·0341	...	+ 19·552	+ 0·074	...	...
587	... .	+ 2·6289	+ 0·0310	...	+ 19·595	+ 0·073	...	...
588	74 Leonis φ	+ 3·0573	+ 0·0006	− 0·009	+ 19·576	+ 0·089	+ 0·04	3848
589	... ...	+ 2·5062	+ 0·0328	...	+ 19·588	+ 0·073	...	...
590	... .	+ 2·7169	+ 0·0273	...	+ 19·591	+ 0·077	...	...
591	... ...	+ 2·8541	+ 0·0186	...	+ 19·602	+ 0·080	...	...
592	12 Hydræ & Crateris δ	+ 3·0033	+ 0·0064	− 0·009	+ 19·628	+ 0·081	− 0·18	3859
593	... .	+ 2·8467	+ 0·0200	..	+ 19·632	+ 0·077	...	..
594	.. .. .	+ 2·8696	+ 0·0197	..	+ 19·684	+ 0·072	...	...
595	Lacaille 4726 ..	+ 2·6369	+ 0·0324	...	+ 19·689	+ 0·067	..	...

577.—Proper motions from "*Greenwich Catalogue* 1872."

Mean Positions of Stars for 1865 January 1st.

Number.	Star.	Magnitude.	Estimations.	Mean Right Ascension.			Mean Polar Distance.			Observations.	Fraction of Year.
				h	m	s	°	′	″		
596	79 Leonis	5·5	...	11	17	6·62	87	51	6·8	1	0·26
597	Taylor 5220	8·0	2	11	19	3·47	131	55	51·9	2	0·28
598	... ...	9·4	2	11	21	45·09	128	23	6·3	2	0·26
599	Taylor 5245	8·6	2	11	22	5·86	131	56	7·9	2	0·33
600	... ...	9·2	1	11	22	51·03	145	54	4·0	1	0·21
601	O. A. N. 11812	9·2	2	11	23	12·81	22	58	4·8	2	0·31
602	... ...	8·6	4	11	24	33·78	22	56	14·9	4	0·31
603	... ...	9·1	1	11	25	23·80	128	27	8·0	1	0·34
604	... ...	9·4	3	11	25	50·47	128	23	6·4	3	0·25
605	... ...	9·0	1	11	26	39·42	151	4	24·1	1	0·20
606	... ...	9·3	3	11	28	22·77	128	20	27·7	3	0·28
607	λ Centauri	3·4	...	11	29	34·29	153	16	25·7	2	0·21
608	... ...	8·1	2	11	29	53·92	149	16	2·4	2	0·35
609	91 Leonis υ	4·5	...	11	30	2·18	90	4	44·0	7	0·26
610	... ...	9·2	1	11	32	12·24	141	14	53·9	1	0·30
611	... ...	8·2	3	11	33	10·29	144	14	56·4	3	0·27
612	W. B. E. XI. 571 ...	8·0	1	11	33	28·83	88	18	0·2	1	0·23
613	... ...	7·5	2	11	34	23·38	144	21	2·2	3	0·31
614	W. B. E. XI. 597 .	9·1	1	11	34	46·72	88	15	25·3	1	0·32
615	... ...	9·0	1	11	38	45·08	129	34	22·3	1	0·32
616	... ...	9·2	1	11	40	59·87	140	52	24·3	1	0·22
617	... ...	8·6	2	11	41	15·29	129	32	25·9	2	0·27
618	94 Leonis β (*Deneb*) ...	2·2	...	11	42	10·31	74	40	25·4	8	0·31
619	Taylor 5421	7·6	3	11	43	13·89	129	31	34·6	3	0·27
620	5 Virginis β	3·7	...	11	43	39·72	87	28	29·3	3	0·27
621	... ...	8·0	3	11	44	47·07	129	2	30·9	3	0·34
622	Taylor 5433	8·4	1	11	44	54·57	129	33	25·1	1	0·22
623	Groombridge 1830 ..	6·4	...	11	45	11·23	51	18	50·1	1	0·30
624	... ...	9·3	1	11	45	54·53	142	31	19·8	1	0·23
625	64 Ursæ Majoris γ ..	2·6	...	11	46	43·48	35	33	18·0	1	0·25
626	Lacaille 4937	7·1	1	11	48	18·29	152	31	43·0	1	0·28
627	... ...	8·0	4	11	50	40·02	150	42	21·2	4	0·25
628	Lacaille 4956	8·3	1	11	51	12·68	154	34	17·8	1	[illegible]
629	... ...	8·6	1	11	51	[illegible]	128	52	55·6	2	0·31
630	... ...	9·5	1	11	52	42·47	154	38	40·3	1	[illegible]

601.—602.—Comparison stars for Comet 2, 1861.
612.—614.—Comparison stars for Amphitrite in 1862.
629.—Double: the companion (9.0) 30″ north.

Observed with the Madras Meridian Circle in that Year.

Number.	Star.	In Right Ascension.			In Polar Distance.			Number in B. A. C.
		Annual Precession.	Secular Variation.	Proper Motion.	Annual Precession.	Secular Variation.	Proper Motion.	
		s	s	s	"	"	"	
596	79 Leonis	+ 3·0814	− 0·0016	− 0·002	+ 19·705	+ 0·076	+ 0·02	3879
597	Taylor 5220	+ 2·8587	+ 0·0225	...	+ 19·736	+ 0·066	...	...
598	... ...	+ 2·8061	+ 0·0205	...	+ 19·776	+ 0·061	...	...
599	Taylor 5245	+ 2·8744	+ 0·0230	...	+ 19·781	+ 0·060	...	3907
600	... ...	+ 2·7534	+ 0·0344	...	+ 19·791	+ 0·056	...	...
601	O. A. N. 11812 ..	+ 3·5763	− 0·0930	...	+ 19·797	+ 0·075	...	...
602	... .	+ 3·5587	− 0·0923	...	+ 19·816	+ 0·071	...	...
603	... .	+ 2·9124	+ 0·0210	...	+ 19·827	+ 0·055	...	...
604	... ...	+ 2·9148	+ 0·0211	...	+ 19·833	+ 0·054	...	...
605	... ...	+ 2·7214	+ 0·0415	...	+ 19·843	+ 0·049	...	...
606	... ...	+ 2·9267	+ 0·0214	...	+ 19·864	+ 0·050	...	...
607	λ Centauri	+ 2·7354	+ 0·0443	0·000	+ 19·878	+ 0·044	0·00	3941
608	... .	+ 2·7776	+ 0·0406	...	+ 19·882	+ 0·044	...	...
609	91 Leonis υ	+ 3·0718	+ 0·0003	− 0·003	+ 19·884	+ 0·049	− 0·03	3946
610	... ...	+ 2·8474	+ 0·0356	...	+ 19·908	+ 0·041	...	...
611	... .	+ 2·8551	+ 0·0360	...	+ 19·918	+ 0·039	...	...
612	W. B. E. XI. 571 ...	+ 3·0767	− 0·0005	...	+ 19·921	+ 0·043	...	...
613	... ...	+ 2·8641	+ 0·0364	...	+ 19·930	+ 0·037	...	...
614	W. B. E. XI. 597 ...	+ 3·0765	− 0·0004	...	+ 19·933	+ 0·041	...	...
615	... ...	+ 2·9698	+ 0·0237	...	+ 19·969	+ 0·031	...	...
616	... .	+ 2·8813	+ 0·0458	...	+ 19·986	+ 0·026	...	...
617	... ...	+ 2·9819	+ 0·0240	...	+ 19·988	+ 0·027	...	...
618	94 Leonis β (*Deneb*)...	+ 3·1005	− 0·0074	− 0·036	+ 19·994	+ 0·025	+ 0·10	3995
619	Taylor 5421	+ 2·9915	+ 0·0242	...	+ 20·001	+ 0·023	...	...
620	5 Virginis β	+ 3·0763	− 0·0003	+ 0·048	+ 20·004	+ 0·023	+ 0·28	4002
621	... .	+ 3·0002	+ 0·0241	...	+ 20·011	+ 0·020	...	...
622	Taylor 5433	+ 2·9995	+ 0·0246	...	+ 20·012	+ 0·020	...	...
623	Groombridge 1830 ..	+ 3·1413	− 0·0239	+ 0·346	+ 20·013	+ 0·021	+ 5·78	4010
624	... .	+ 2·9650	+ 0·0373	...	+ 20·018	+ 0·017	...	...
625	64 Ursæ Majoris γ ...	+ 3·1803	− 0·0433	+ 0·011	+ 20·022	+ 0·017	0·00	4017
626	Lacaille 4937 ...	+ 2·9409	+ 0·0538	...	+ 20·029	+ 0·013	...	...
627	... .	+ 2·9764	+ 0·0506	...	+ 20·039	+ 0·009	...	...
628	Lacaille 4956 .	+ 2·9643	+ 0·0598	...	+ 20·040	+ 0·008	...	...
629	... .	+ 3·0310	+ 0·0240	...	+ 20·041	+ 0·007	...	...
630	... .	+ 2·9823	+ 0·0600	...	+ 20·045	+ 0·005	...	...

607.—Proper motions from "*Stone's Cape Catalogue.*"
623.—Proper motions from "*Greenwich Catalogue* 1872."

Mean Positions of Stars for 1865 January 1st.

Number.	Star.	Magnitude.	Estimations.	Mean Right Ascension.			Mean Polar Distance.			Observations.	Fraction of Year.
				h.	m.	s.	°	′	″		
631	... ...	9·6	1	11	53	53·12	129	36	12·2	1	0·33
632	... ...	9·0	1	11	56	26·46	128	30	16·9	1	0·35
633	Taylor 5534	8·3	2	11	56	52·78	143	57	40·3	2	0·29
634	Lacaille 4995	7·5	3	11	56	57·24	142	44	47·1	3	0·35
635	Taylor 5535	8·0	3	11	57	6·63	70	25	50·6	3	0·25
636	R. P. L. 89	6·3	...	11	57	54·38	3	39	55·2	1	0·78
637	... ...	9·0	1	11	59	4·37	128	28	5·8	1	0·24
638	... ...	9·1	2	11	59	34·66	150	19	57·7	3	0·30
639	... ...	8·6	3	12	1	10·07	150	27	47·3	3	0·30
640	Lacaille 5041	8·0	1	12	2	35·93	141	23	34·1	1	0·20
641	2 Corvi ε	3·1	...	12	3	11·08	111	52	8·4	8	0·31
642	... ...	9·0	1	12	5	51·28	134	8	28·0	1	0·32
643	... ...	8·5	3	12	5	59·31	150	19	24·8	3	0·28
644	... ...	8·2	1	12	6	15·41	138	27	53·7	1	0·35
645	... ...	9·1	2	12	8	53·31	144	20	34·8	2	0·25
646	... ...	8·1	1	12	11	55·17	150	23	12·7	1	0·26
647	Taylor 5648	7·2	1	12	12	34·47	152	6	17·6	1	0·24
648	R. P. L. 92	6·3	...	12	12	53·60	2	48	48·8	2	0·36
649	15 Virginis η	4·0	...	12	12	59·95	89	54	59·8	13	0·29
650	Lacaille 5119	8·0	1	12	15	25·08	138	34	37·1	1	0·37
651	... ...	8·0	2	12	15	55·25	141	40	15·3	2	0·20
652	... ...	8·8	1	12	16	49·29	147	10	7·0	1	0·38
653	α¹ Crucis	1·3	...	12	19	6·73	152	21	3·0	1	0·38
654	... ...	8·0	1	12	19	6·77	147	21	41·5	1	0·33
655	... ...	9·1	1	12	24	41·91	150	58	59·2	1	0·37
656	... ...	7·5	...	12	25	59·16	28	2	14·1	1	0·39
657	9 Corvi β	2·8	...	12	27	18·01	112	38	59·8	9	0·31
658	Taylor 5785	7·7	2	12	27	49·06	150	59	46·5	2	0·32
659	... ...	8·2	3	12	27	52·38	141	40	15·6	2	0·24
660	... ...	9·2	1	12	27	52·77	140	45	52·7	1	0·38
661	... ...	9·2	1	12	31	54·95	84	30	52·8	1	0·40
662	... ...	9·0	...	13	32	52·57	143	7	43·3	1	[illegible]
663	... ...	8·7	1	12	33	50·41	145	33	45·6	1	0·32
664	Taylor 5830	7·0	1	12	34	30·15	144	1	13·9	1	0·33
665	29 Virginis γ¹	2·8	...	12	34	49·15	90	42	29·8	3	0·36

636.—Groombridge 1850.
648.—Groombridge 1871.

Observed with the Madras Meridian Circle in that Year.

Number.	Star.	In Right Ascension.			In Polar Distance.			Number in B. A. C.
		Annual Precession.	Secular Variation.	Proper Motion.	Annual Precession.	Secular Variation.	Proper Motion.	
		s	s	s	"	"	"	
631	... ...	+ 3·0425	+ 0·0258	...	+ 20·048	+ 0·008	...	...
632	... ...	+ 3·0555	+ 0·0253	...	+ 20·053	− 0·002	...	...
633	Taylor 5534	+ 3·0471	+ 0·0421	...	+ 20·053	− 0·003	...	...
634	Lacaille 4995 ...	+ 3·0487	+ 0·0404	...	+ 20·053	− 0·003	...	...
635	Taylor 5535	+ 3·0781	− 0·0089	...	+ 20·054	− 0·003	...	...
636	R. P. L. 89	+ 3·2623	− 0·5221	...	+ 20·054	− 0·004	...	4070
637	... ...	+ 3·0678	+ 0·0255	...	+ 20·055	− 0·007	...	...
638	... ...	+ 3·0678	+ 0·0542	...	+ 20·055	− 0·008	...	...
639	... ...	+ 3·0842	+ 0·0549	...	+ 20·054	− 0·011	...	...
640	Lacaille 5041 ...	+ 3·0911	+ 0·0400	...	+ 20·054	− 0·014	...	...
641	2 Corvi ε	+ 3·0795	+ 0·0142	− 0·005	+ 20·054	− 0·016	− 0·01	4097
642	... ...	+ 3·1052	+ 0·0318	...	+ 20·048	− 0·021	...	...
643	... ...	+ 3·1334	+ 0·0568	...	+ 20·048	− 0·021	...	...
644	... ...	+ 3·1133	+ 0·0369	...	+ 20·048	− 0·022	...	...
645	... ...	+ 3·1443	+ 0·0460	...	+ 20·040	− 0·027	...	...
646	... ...	+ 3·1944	+ 0·0592	...	+ 20·028	− 0·033	...	...
647	Taylor 5648	+ 3·2106	+ 0·0640	...	+ 20·024	− 0·035	...	...
648	R. P. L. 92	+ 1·5412	+ 0·0012	+ 0·415	+ 20·023	− 0·022	+ 0·08	4150
649	15 Virginis η ...	+ 3·0719	+ 0·0027	− 0·007	+ 20·023	− 0·035	+ 0·03	4145
650	Lacaille 5119 ..	+ 3·1739	+ 0·0388	...	+ 20·009	− 0·040	...	...
651	... ...	+ 3·1894	+ 0·0435	...	+ 20·007	− 0·042	...	...
652	... ...	+ 3·2240	+ 0·0535	...	+ 20·000	− 0·044	...	...
653	α¹ Crucis	+ 3·2844	+ 0·0680	− 0·006	+ 19·986	− 0·050	+ 0·04	4157
654	... ...	+ 3·2460	+ 0·0546	...	+ 19·985	− 0·040	...	...
655	... .	+ 3·3314	+ 0·0658	...	+ 19·980	− 0·061	...	...
656	.. ..	+ 2·7881	− 0·0420	...	+ 19·926	− 0·055	...	...
657	9 Corvi β	+ 3·1383	+ 0·0164	− 0·008	+ 19·913	− 0·064	+ 0·07	4234
658	Taylor 5785... ...	+ 3·3043	+ 0·0670	...	+ 19·907	− 0·068	...	...
659	... .	+ 3·2773	+ 0·0459	...	+ 19·907	− 0·067	...	..
660	.. ..	+ 3·2720	+ 0·0447	...	+ 19·907	− 0·067	...	...
661	... .	+ 3·0543	+ 0·0009	...	+ 19·861	− 0·071	...	.
662	. ...	+ 3·3269	+ 0·0196	...	+ 19·849	− 0·079	.	
663	... .	+ 3·3500	+ 0·0548	..	+ 19·837	− 0·081	..	..
664	Taylor 5830	+ 3·3183	+ 0·0518	...	+ 19·828	− 0·082	...	4201
665	29 Virginis γ¹ ..	+ 3·0715	+ 0·0043	− 0·037	+ 19·825	− 0·078	+ 0·05	4268

648.—Proper motion in Polar Distance from "*British Association Catalogue.*"
653.—Proper motions from "*Stone's Cape Catalogue.*"
665.—Proper motions from "*Greenwich Catalogue*, 1872."

Mean Positions of Stars for 1865 January 1st.

Number.	Star.	Magnitude.	Estimations.	Mean Right Ascension.			Mean Polar Distance.			Observations.	Fraction of Year.
				h.	m.	s.	°	′	″		
666	29 Virginis γ^1	2·8	...	12	34	49·22	90	42	34·0	1	0·30
667	28 Virginis	6·5	...	12	34	58·92	96	45	27·8	1	0·27
668	W. B. E. XII. 592 ..	8·0	2	12	36	4·37	93	18	8·7	2	0·35
669	... ...	8·6	3	12	38	19·09	146	28	41·8	3	0·33
670	... ...	8·0	1	12	39	29·17	143	50	37·6	1	0·12
671	... ...	9·3	1	12	39	31·39	141	54	33·6	1	0·37
672	... ...	8·0	1	12	40	52·61	141	53	12·4	1	0·43
673	... ...	8·2	1	12	41	43·17	141	49	53·8	1	0·20
674	... ...	9·4	1	12	42	6·67	147	16	47·5	1	0·40
675	... ...	8·8	1	12	42	27·91	147	19	5·5	1	0·40
676	... ...	9·3	1	12	42	50·78	142	52	17·4	1	0·40
677	... ...	8·5	...	12	43	20·77	129	8	11·8	1	0·31
678	U Virginis Var. 3 ...	8·5	1	12	44	14·71	83	42	40·9	1	0·30
679	Radcliffe 2922	7·0	...	12	45	9·16	26	16	44·9	1	0·39
680	40 Virginis ψ	5·0	...	12	47	20·03	98	48	18·6	1	0·27
681	R. P. L. 99	5·6	...	12	48	11·25	5	51	9·9	2	0·34
682	... ...	9·0	...	12	48	32·02	125	25	39·2	1	0·39
683	... ...	8·2	2	12	48	56·29	149	24	38·0	2	0·39
684	12 Canum Venaticorum...	3·0	...	12	49	42·41	50	57	7·3	12	0·33
685	... ...	9·5	1	12	51	13·39	127	5	24·6	1	0·40
686	... ...	8·6	1	12	53	20·21	143	40	51·4	1	0·37
687	... ...	8·0	...	12	53	28·87	135	44	47·0	1	0·41
688	... ...	9·0	1	12	55	6·17	124	23	22·0	1	0·39
689	... ...	9·0	2	12	57	2·51	123	25	31·2	2	0·40
690	... ...	9·1	...	12	58	9·40	124	29	1·5	1	0·32
691	... ...	8·0	2	12	58	18·87	124	23	15·5	2	0·38
692	Taylor 6025	7·8	1	12	59	30·80	123	24	44·0	1	0·40
693	51 Virginis θ	4·4	...	13	2	57·68	94	49	3·8	12	0·31
694	... ...	9·0	1	13	4	35·96	143	12	42·2	1	0·40
695	Lacaille 5434	8·3	1	13	6	1·59	132	51	53·6	1	0·11
696	... ...	8·8	3	13	7	42·93	130	46	32·2	3	0·34
697	... ...	9·3	2	13	8	9·00	130	46	3·9	2	0·35
698	... ...	8·7	1	13	9	48·09	129	56	36·0	1	0·32
699	... ...	7·8	2	13	12	56·36	122	56	54·2	2	0·36
700	Lacaille 5503	8·0	2	13	14	12·36	125	24	11·6	2	0·33

668.—Comparison star for Hestia in 1861.
678.—U Virginis Var. 3.—Period 207 days. Range, 8th to 13th magnitude.
679.—Comparison star for Comet 2, 1861.
681.—Groombridge 1940.

Observed with the Madras Meridian Circle in that Year.

Number.	Star.	In Right Ascension.			In Polar Distance.			Number in B. A. C.
		Annual Precession.	Secular Variation.	Proper Motion.	Annual Precession.	Secular Variation.	Proper Motion.	
		s	s	s	"	"	"	
666	29 Virginis γ^1 ...	+ 3·0745	+ 0·0013	− 0·037	+ 19·825	− 0·078	+ 0·05	4268
667	28 Virginis	+ 3·0962	+ 0·0074	+ 0·001	+ 19·838	− 0·078	+ 0·04	4269
668	W. B. E. XII 592 ...	+ 3·0842	+ 0·0056	...	+ 19·807	− 0·080	...	...
669	... ...	+ 3·4081	+ 0·0581	...	+ 19·775	− 0·092	...	...
670	... ...	+ 3·3858	+ 0·0525	...	+ 19·758	− 0·093	...	...
671	... ...	+ 3·3648	+ 0·0487	...	+ 19·757	− 0·092	...	...
672	... ...	+ 3·3745	+ 0·0490	...	+ 19·737	− 0·095	...	...
673	... ...	+ 3·3800	+ 0·0490	...	+ 19·724	− 0·097	...	...
674	... ...	+ 3·4523	+ 0·0611	...	+ 19·717	− 0·100	...	...
675	... ...	+ 3·4560	+ 0·0613	...	+ 19·712	− 0·101	...	...
676	... ...	+ 3·4003	+ 0·0512	...	+ 19·705	− 0·100	...	...
677	... ...	+ 3·2766	+ 0·0313	...	+ 19·698	− 0·098	...	...
678	U Virginis Var. 3 ...	+ 3·0138	+ 0·0012	...	+ 19·682	− 0·093	...	...
679	Radcliffe 2922 ...	+ 2·5420	− 0·0344	...	+ 19·667	− 0·080	...	...
680	40 Virginis ψ ...	+ 3·1146	+ 0·0092	− 0·002	+ 19·629	− 0·101	+ 0·04	4330
681	R. P. L. 99	+ 0·3505	+ 0·2258	− 0·017	+ 19·613	− 0·019	− 0·04	4342
682	... ...	+ 3·2720	+ 0·0279	...	+ 19·607	− 0·108	...	...
683	... ...	+ 3·5514	+ 0·0692	...	+ 19·590	− 0·118	...	...
684	12 Canum Venaticorum	+ 2·8386	− 0·0152	− 0·023	+ 19·586	− 0·098	− 0·06	4346
685	... .	+ 3·2961	+ 0·0298	...	+ 19·556	− 0·115	...	...
686	... ...	+ 3·4015	+ 0·0549	...	+ 19·514	− 0·124	...	...
687	... ...	+ 3·3895	+ 0·0407	...	+ 19·511	− 0·123	...	...
688	... ...	+ 3·2900	+ 0·0275	...	+ 19·478	− 0·122	...	...
689	... ...	+ 3·2894	+ 0·0268	...	+ 19·437	− 0·126	...	...
690	.. ..	+ 3·3026	+ 0·0278	...	+ 19·412	− 0·129	...	...
691	... ...	+ 3·3024	+ 0·0278	...	+ 19·409	− 0·129	...	...
692	Taylor 6025	+ 3·2986	+ 0·0269	...	+ 19·383	− 0·132	...	...
693	51 Virginis θ ...	+ 3·1026	+ 0·0078	− 0·004	+ 19·303	− 0·132	+ 0·04	4401
694	... .	+ 3·5698	+ 0·0560	...	+ 19·263	− 0·153	...	...
695	Lacaille 5434 ..	+ 3·8133	+ 0·0880	...	+ 19·228	− 0·166	...	...
696	... ...	+ 3·5324	+ 0·0493	...	+ 19·186	− 0·158	...	...
697	... .	+ 3·5352	+ 0·0493	...	+ 19·174	− 0·159	...	...
698	.. .. .	+ 3·4079	+ 0·0346	.	+ 19·132	− 0·157	...	...
699	... .	+ 3·3132	+ 0·0273	...	+ 19·048	− 0·161	...	...
700	Lacaille 5503 .	+ 3·8745	+ 0·0298	...	+ 19·013	− 0·164	...	...

Mean Positions of Stars for 1865 January 1st.

Number.	Star.	Magnitude.	Estimations.	Mean Right Ascension.			Mean Polar Distance.			Observations.	Fraction of Year.
				h.	m.	s.	°	′	″		
701	Taylor 6148	7·0	1	13	14	15·04	128	8	38·3	1	0·40
702	O. A. N. 13563	8·5	...	13	15	26·61	27	53	32·4	1	0·40
703	... ...	9·5	1	13	17	10·43	128	9	45·4	1	0·40
704	67 Virginis α (*Spica*) ...	1·2	...	13	18	5·00	100	27	21·4	17	0·33
705	... ...	8·2	1	13	19	5·02	143	27	5·4	1	0·43
706	Radcliffe 3011	7·5	...	13	19	28·42	34	23	47·6	1	0·30
707	R. P. L. 103	7·3	...	13	20	12·44	4	32	23·1	1	0·40
708	R Hydræ Var. 1	6·2	2	13	22	20·41	112	34	58·8	2	0·37
709	... ...	8·0	1	13	24	51·17	128	8	58·1	1	0·42
710	... ...	9·0	...	13	24	52·95	124	9	25·7	1	0·39
711	... ...	8·0	1	13	25	34·05	128	10	35·7	1	0·40
712	76 Virginis *h*	5·5	...	13	25	51·58	99	28	6·8	2	0·27
713	S Virginis Var. 6 ...	7·1	1	13	25	57·21	96	30	0·2	1	0·43
714	... ...	8·0	1	13	26	41·54	131	35	30·0	1	0·38
715	79 Virginis ζ	3·5	...	13	27	48·00	89	54	17·3	11	0·35
716	Taylor 7183	7·2	3	13	28	27·28	131	43	28·0	3	0·36
717	Lacaille 5614	8·0	1	13	30	0·37	128	12	26·0	2	0·40
718	... ...	9·5	1	13	34	6·45	129	10	16·1	1	0·38
719	... ...	8·6	2	13	35	46·72	128	3	45·1	2	0·42
720	... ...	8·9	1	13	36	17·95	128	5	40·1	1	0·41
721	Taylor 6363	7·7	1	13	36	42·17	147	38	46·0	1	0·43
722	Taylor 6366	7·0	1	13	36	57·04	151	46	21·1	1	0·42
723	Lacaille 5659	8·7	1	13	37	12·47	152	13	53·1	1	0·37
724	86 Virginis	6·0	...	13	38	44·81	101	44	56·7	2	0·20
725	85 Ursæ Majoris η ...	2·0	...	13	42	13·05	40	0	42·8	3	0·41
726	89 Virginis	5·2	...	13	42	32·56	107	27	37·1	1	0·43
727	... ...	8·0	1	13	43	17·74	123	6	50·0	1	0·39
728	... ...	8·5	1	13	43	27·54	123	18	23·7	2	0·33
729	... ...	8·3	2	13	44	18·64	127	57	2·0	2	0·41
730	... ...	8·6	1	13	45	45·80	122	54	51·0	1	0·34
731	Lacaille 5734	7·1	3	13	47	47·76	151	49	36·5	3	0·43
732	8 Bootis η	2·9	...	13	48	15·30	70	55	28·5	10	0·39
733	... ...	8·0	1	13	50	15·04	123	44	2·8	1	0·30
734	... ...	8·5	1	13	52	18·55	151	30	55·0	1	0·35
735	... ...	9·5	1	13	52	29·67	128	1	43·2	1	0·40

702.—Comparison star for Comet 2, 1861.
707.—Groombridge 2007.
708.—R Hydræ Var. 1. Period about 15 months. Range, 4th to 10th magnitude.
713.—S Virginis Var. 6. Period 374 days. Range, 6th to 12.5 magnitude.

Observed with the Madras Meridian Circle in that Year.

Number.	Star.	In Right Ascension.			In Polar Distance.			Number in B. A. C.
		Annual Precession.	Secular Variation.	Proper Motion.	Annual Precession.	Secular Variation.	Proper Motion.	
		s	s	s	"	"	"	
701	Taylor 6148	+ 3·4063	+ 0·0328	...	+ 19·012	− 0·166	...	...
702	O. A. N. 13563 ...	+ 2·2555	− 0·0189	...	+ 18·978	− 0·114	...	...
703	... ...	+ 3·4193	+ 0·0331	...	+ 18·929	− 0·173	...	...
704	67 Virginis α (*Spica.*)	+ 3·1544	+ 0·0116	− 0·005	+ 18·902	− 0·163	+ 0·04	4490
705	... ...	+ 3·6822	+ 0·0587	...	+ 18·873	− 0·190	...	...
706	Radcliffe 3011 ...	+ 2·7084	− 0·0170	...	+ 18·861	− 0·127	...	...
707	R. P. L. 103 ...	− 2·7014	+ 0·9836	...	+ 18·839	+ 0·127	...	4498
708	R Hydræ Var. 1 ...	+ 3·2676	+ 0·0192	− 0·002	+ 18·778	− 0·176	− 0·01	4501
709	... ...	+ 3·4521	+ 0·0334	...	+ 18·696	− 0·190	...	...
710	... ...	+ 3·4005	+ 0·0291	...	+ 18·695	− 0·188	...	...
711	... ...	+ 3·4556	+ 0·0334	...	+ 18·673	− 0·192	...	...
712	76 Virginis *h* ...	+ 3·1537	+ 0·0113	− 0·004	+ 18·664	− 0·176	+ 0·02	4521
713	S Virginis Var. 6 ...	+ 3·1279	+ 0·0096	...	+ 18·661	− 0·175	...	...
714	... ...	+ 3·5103	+ 0·0379	...	+ 18·637	− 0·197	...	...
715	79 Virginis ζ ...	+ 3·0712	+ 0·0064	− 0·019	+ 18·602	− 0·176	− 0·06	4532
716	Taylor 7183	+ 3·5209	+ 0·0381	...	+ 18·560	− 0·201	...	...
717	Lacaille 5614 ...	+ 3·4749	+ 0·0337	...	+ 18·528	− 0·202	...	...
718	... ...	+ 3·5069	+ 0·0351	...	+ 18·388	− 0·212	...	...
719	... ...	+ 3·4970	+ 0·0338	...	+ 18·329	− 0·215	...	...
720	... ...	+ 3·4997	+ 0·0339	...	+ 18·310	− 0·216	...	...
721	Taylor 6363	+ 3·9337	+ 0·0733	...	+ 18·295	− 0·243	...	...
722	Taylor 6366	+ 4·0945	+ 0·0909	...	+ 18·287	− 0·253	...	...
723	Lacaille 5659 ...	+ 4·1169	+ 0·0933	...	+ 18·278	− 0·255	...	...
724	86 Virginis	+ 3·1883	+ 0·0130	− 0·004	+ 18·222	− 0·202	− 0·01	4585
725	85 Ursæ Majoris η ...	+ 2·3849	− 0·0103	− 0·012	+ 18·094	− 0·159	+ 0·08	4607
726	89 Virginis	+ 3·2540	+ 0·0164	− 0·009	+ 18·061	− 0·213	+ 0·03	4608
727	... ...	+ 3·4520	+ 0·0287	...	+ 18·052	− 0·227	...	...
728	... ...	+ 3·4541	+ 0·0288	...	+ 18·046	− 0·228	...	...
729	... ...	+ 3·5304	+ 0·0341	...	+ 18·014	− 0·235	...	...
730	... ...	+ 3·4574	+ 0·0286	...	+ 17·957	− 0·233	...	...
731	Lacaille 5734 ..	+ 4·2033	+ 0·0930	...	+ 17·877	− 0·286	...	...
732	8 Bootis η	+ 2·8617	− 0·0006	− 0·004	+ 17·850	− 0·199	+ 0·36	4618
733	... .	+ 3·4852	+ 0·0295	...	+ 17·779	− 0·243	...	...
734	... .	+ 4·2318	+ 0·0920	...	+ 17·695	− 0·299	...	...
735	... .	+ 3·5650	+ 0·0843	...	+ 17·687	− 0·253	...	...

708.—Proper motions from "*Greenwich Catalogue* 1872."

Mean Positions of Stars for 1865 January 1st.

Number.	Star.	Magnitude.	Estimations.	Mean Right Ascension.			Mean Polar Distance.			Observations.	Fraction of Year.
				h.	m.	s.	°	′	″		
736	... ...	8·8	1	13	53	11·46	135	41	8·5	1	0·43
737	β Centauri	1·2	...	13	54	10·57	149	43	12·5	1	0·39
738	93 Virginis τ	4·4	...	13	54	46·63	87	46	2·3	6	0·39
739	94 Virginis	6·5	...	13	59	8·73	98	14	45·7	1	0·20
740	Lalande 25896	7·4	1	13	59	56·90	67	11	12·5	1	0·34
741	Taylor 6570	8·6	2	14	0	5·72	149	56	19·1	2	0·31
742	... ...	9·3	1	14	0	26·14	150	51	20·8	1	0·32
743	Taylor 6585	7·0	1	14	1	26·07	124	14	21·4	1	0·43
744	... ...	8·4	1	14	2	5·64	124	16	30·3	1	0·42
745	R. P. L. 108	7·3	...	14	3	47·71	3	35	45·4	1	0·94
746	Lacaille 5844	7·8	2	14	5	9·01	151	4	25·3	2	0·38
747	Taylor 6616	5·6	...	14	5	34·50	146	27	7·7	2	0·44
748	98 Virginis κ	4·3	...	14	5	41·72	99	38	38·1	2	0·35
749	16 Bootis α (*Arcturus*) ...	0·0	...	14	9	30·26	70	6	48·9	13	0·40
750	100 Virginis λ	4·6	...	14	11	48·50	102	44	53·7	3	0·30
751	... .	7·8	2	14	14	30·87	150	46	22·0	2	0·42
752	.. ..	8·5	1	14	14	37·72	122	36	3·2	1	0·36
753	2 Libræ	6·3	...	14	16	10·04	101	5	45·9	3	0·30
754	Taylor 6721	7·0	1	14	17	25·52	101	3	18·0	1	0·44
755	S Bootis Var. 2	9·2	1	14	18	21·54	35	34	27·0	1	0·17
756	... ...	8·2	1	14	20	1·30	127	0	9·7	2	0·40
757	Lacaille 5962	7·8	1	14	22	46·12	120	47	1·8	1	0·32
758	... ...	9·3	1	14	23	0·17	120	46	17·3	1	0·32
759	O. A. N. 14634	7·0	...	14	25	52·25	20	8	39·3	1	0·48
760	25 Bootis ρ	3·6	...	14	26	0·63	59	2	4·9	15	0·40
761	O. A. N. 14652	8·5	...	14	27	2·17	20	7	13·5	1	0·48
762	α¹ Centauri	3·5	...	14	30	27·11	150	16	40·4	5	0·44
763	α² Centauri	1·0	...	14	30	27·42	150	16	32·9	2	0·43
764	Lacaille 6027	7·8	1	14	31	7·89	122	47	33·8	1	0·43
765	... ...	8·5	1	14	32	45·51	121	44	34·1	1	0·38
766	... ...	8·5	1	14	32	59·36	126	18	2·4	1	0·41
767	... ...	9·5	1	14	36	35·96	150	17	38·4	1	0·47
768	5 Libræ	6·3	...	14	38	31·31	104	53	17·8	2	0·31
769	36 Bootis ε (*Mirac*) ...	2·6	...	14	39	5·44	62	21	18·4	11	0·41
770	... ...	7·8	2	14	39	[illegible]	124	7	53·5	2	[illegible]

745.—Groombridge 2099.
755.—S Bootis Var. 2. Period 272 days. Range, 8th to 13th magnitude.
759.—761.—Comparison stars for Comet 2, 1862.

Observed with the Madras Meridian Circle in that Year.

Number.	Star.	In Right Ascension.			In Polar Distance.			Number in B. A. C.
		Annual Precession.	Secular Variation.	Proper Motion.	Annual Precession.	Secular Variation.	Proper Motion.	
		s	s	s	"	"	"	
736	... ...	+ 3·7213	+ 0·0453	...	+ 17·658	− 0·265	...	...
737	β Centauri	+ 4·1675	+ 0·0841	− 0·010	+ 17·611	− 0·301	+ 0·05	4669
738	93 Virginis τ ...	+ 3·0475	+ 0·0064	+ 0·001	+ 17·592	− 0·221	+ 0·07	4672
739	94 Virginis	+ 3·1684	+ 0·0115	− 0·002	+ 17·405	− 0·237	+ 0·01	4688
740	Lalande 25896 ...	+ 2·7911	− 0·0023	...	+ 17·370	− 0·210	...	...
741	Taylor 6570	+ 4·2279	+ 0·0853	...	+ 17·364	− 0·315	...	...
742	... ...	+ 4·2749	+ 0·0897	...	+ 17·349	− 0·320	...	...
743	Taylor 6585	+ 3·5320	+ 0·0302	...	+ 17·305	− 0·268	...	...
744	... ...	+ 3·5349	+ 0·0303	...	+ 17·276	− 0·269	...	...
745	R. P. L. 108... ...	− 7·8687	+ 2·5079	...	+ 17·200	+ 0·583	...	...
746	Lacaille 5844 ...	+ 4·3285	+ 0·0912	...	+ 17·138	− 0·335	...	...
747	Taylor 6616	+ 4·1224	+ 0·0686	...	+ 17·119	− 0·320	...	4709
748	98 Virginis κ ...	+ 3·1206	+ 0·0122	+ 0·001	+ 17·114	− 0·250	− 0·02	4716
749	16 Bootis α (*Arcturus*)	+ 2·8132	+ 0·0004	− 0·070	+ 16·939	− 0·227	+ 1·93	4729
750	100 Virginis λ ...	+ 3·2366	+ 0·0140	− 0·002	+ 16·829	− 0·264	− 0·02	4743
751	... ...	+ 4·3955	+ 0·0900	...	+ 16·699	− 0·362	...	...
752	... ...	+ 3·5461	+ 0·0284	...	+ 16·693	− 0·293	...	...
753	2 Libræ	+ 3·2189	+ 0·0132	− 0·004	+ 16·618	− 0·270	+ 0·09	4765
754	Taylor 6721	+ 3·2195	+ 0·0132	...	+ 16·556	− 0·272	...	4772
755	S Bootis Var. 2 ...	+ 2·0108	− 0·0022	...	+ 16·510	− 0·174	...	...
756	... ...	+ 3·6333	+ 0·0334	...	+ 16·427	− 0·313	...	...
757	Lacaille 5962 ...	+ 3·7216	+ 0·0365	...	+ 16·288	− 0·324	...	...
758	... .	+ 3·7223	+ 0·0364	...	+ 16·276	− 0·324	...	...
759	O. A. N. 14634 ...	+ 0·9057	+ 0·0359	...	+ 16·128	− 0·085	...	...
760	25 Bootis ρ	+ 2·5948	− 0·0015	− 0·008	+ 16·121	− 0·233	− 0·14	4808
761	O A. N. 14652 ..	+ 0·8880	+ 0·0366	...	+ 16·067	− 0·084	...	...
762	α¹ Centauri	+ 4·5004	+ 0·0678	− 0·476	+ 15·890	− 0·410	− 0·81	4831
763	α² Centauri	+ 4·5004	+ 0·0678	− 0·476	+ 15·890	− 0·410	− 0·81	4832
764	Lacaille 6027 ...	+ 3·5998	+ 0·0284	...	+ 15·850	− 0·329	...	...
765	... ...	+ 3·5835	+ 0·0274	...	+ 15·762	− 0·330	...	...
766	... .	+ 3·6801	+ 0·0319	...	+ 15·750	− 0·339	...	...
767	... .	+ 4·5518	+ 0·0874	...	+ 15·552	− 0·426	...	..
768	5 Libræ	+ 3·2980	+ 0·0152	− 0·003	+ 15·446	− 0·314	+ 0·01	4868
769	36 Bootis ε (Mirac)	+ 2·6240	− 0·0001	− 0·005	+ 15·414	− 0·252	− 0·01	4876
770	... .	+ 3·6535	+ 0·0294	...	+ 15·396	− 0·340	...	...

737 – 762.– 763 – Proper motions from "*Stone's Cape Catalogue.*"
739 – Proper motions from "*Greenwich Catalogue* 1872."

Mean Positions of Stars for 1865 January 1st.

Number.	Star.	Magnitude.	Estimations.	Mean Right Ascension			Mean Polar Distance.			Observations.	Fraction of Year.
				h.	m.	s.	°	′	″		
771	.. ..	9·0	..	14	40	28·11	127	3	50·7	1	0·41
772	Brisbane 5060	8·9	1	14	41	28·01	131	16	50·2	1	0·47
773	9 Libræ α²	3·0	.	14	43	24·80	105	28	43·4	11	0·30
774	Lalande 27123	7·8	1	14	47	26·87	109	27	38·2	1	0·36
775	... .	9·4	1	14	47	36·63	150	41	25·5	1	0·30
776	... ...	9·0	1	14	50	27·36	130	32	25·9	1	0·47
777	7 Ursæ Minoris β Var. 1...	2·1	..	14	51	8·20	15	17	32·6	1	0·46
778	Taylor 7017	7·3	2	14	57	9·86	150	36	13·2	2	0·36
779	... ...	8·5	1	14	57	46·28	131	30	58·6	1	0·41
780	43 Bootis ψ	4·5	...	14	58	30·65	62	31	28·3	5	0·41
781	47 Bootis κ	5·6	...	15	0	57·56	41	19	35·1	1	0·41
782	Taylor 7079	6·0	1	15	3	23·79	123	7	30·1	1	0·4[illegible]
783	... ... 2nd ...	9·0	1	15	3	37·63	122	18	58·1	1	0·37
784	24 Libræ ι¹	4·9	...	15	4	31·76	109	16	43·7	2	0·32
785	B. P. L. 111	6·9	...	15	5	37·16	5	31	38·0	1	0·46
786	27 Libræ β	2·7	...	15	9	44·66	98	52	57·3	9	0·44
787	... ...	8·4	2	15	11	51·94	130	24	14·6	2	0·38
788	... ...	9·0	1	15	15	4·43	124	15	23·5	1	0·37
789	... ...	9·2	1	15	17	8·01	130	3	54·4	1	0·40
790	Lacaille 6377	7·8	1	15	18	58·01	130	11	6·3	1	0·47
791	32 Libræ ξ¹	6·2	..	15	20	38·72	106	14	36·2	2	0·35
792	W. B. E. XV. 395 ...	8·9	1	15	22	1·87	101	15	40·8	1	0·[illegible]
793	B. P. L. 114	7·1	..	15	22	3·90	2	15	14·0	1	0·87
794	.. ..	8·5	1	15	22	28·30	125	10	22·6	1	0·[illegible]7
795	.. ..	8·1	1	15	22	32·43	151	37	14·4	1	0·41
796	W. B. E. XV. 429 ...	9·4	2	15	24	5·66	101	28	11·9	2	0·53
797	. .. .	9·3	1	15	24	37·32	130	0	9·0	1	0·47
798	38 Libræ γ ...	4·0	..	15	27	58·37	104	20	13·0	1	0·43
799	... ...	8·2	1	15	28	45·18	[illegible]	35	35·3	1	0·38
800	5 Coronæ Bor. α (*Alphecta*)	2·4	..	15	28	58·33	62	[illegible]	44·7	7	0·44
801	... ...	8·8	1	15	30	13·88	120	33	39·7	1	0·37
802	... ...	9·7	1	15	32	22·10	116	36	[illegible]·3	1	0·[illegible]
803	... .	9·5	1	15	33	[illegible]·08	126	35	24·1	1	0·[illegible]
804	W. B. E. XV. 645 ..	8·2	1	15	34	[illegible]·08	102	19	27·3	1	0·41
805	W. B. E. XV. 675 ..	8·8	1	15	35	50·74	10[illegible]	41	[illegible]·7	1	0·42

774.—Comparison star for Iris in 18[illegible]1.
777.—β Ursæ Minoris Var. 1.—([illegible].) Supposed to vary irregularly from 2·0 to 2·5 [illegible].
781.—Comparison star for Comet 2, 18[illegible]1.
785.—Groombridge 2213.
792.—796.—804.—805.—Comparison stars for [illegible] in 1864.
793.—Groombridge [illegible].

Observed with the Madras Meridian Circle in that Year.

Number.	Star	In Right Ascension.			In Polar Distance.			Number in B. A. C.
		Annual Precession	Secular Variation.	Proper Motion.	Annual Precession.	Secular Variation.	Proper Motion.	
		s	s	s	"	"	"	
771	... ...	+ 3·7229	+ 0·0326	...	+ 15·336	− 0·357	...	..
772	Brisbane 5069 ..	+ 3·8324	+ 0·0379	...	+ 15·280	− 0·369	...	..
773	9 Libræ α² .	+ 3·3142	+ 0·0154	− 0·007	+ 15·169	− 0·324	+ 0·06	4895
774	Lalande 27123 ..	+ 3·3874	+ 0·0178	..	+ 14·036	− 0·335	...	..
775	... ...	+ 3·2312	+ 0·0699	...	+ 14·926	− 0·321	...	...
776	... ...	+ 3·8464	+ 0·0363	...	+ 14·759	− 0·386	...	...
777	7 Ursæ Min. β Var 1.	− 0·2490	+ 0·1022	− 0·005	+ 14·719	+ 0·018	+ 0·03	4936
778	Taylor 7017	+ 4·7292	+ 0·0866	...	+ 14·355	− 0·488	...	...
779	... .	+ 3·9007	+ 0·0371	...	+ 14·318	− 0·405	...	...
780	43 Bootis ψ	+ 2·5833	+ 0·0010	− 0·013	+ 14·260	− 0·231	0·00	4969
781	47 Bootis κ	+ 1·9925	+ 0·0018	− 0·010	+ 14·121	− 0·212	...	4980
782	Taylor 7079...	+ 3·6980	+ 0·0273	...	+ 13·970	− 0·393	...	...
783	... . 2nd .	+ 3·6794	+ 0·0264	..	+ 13·955	− 0·392	...	...
784	24 Libræ ι¹ . .	+ 3·4002	+ 0·0171	− 0·002	+ 13·898	− 0·364	+ 0·01	4995
785	R. P. L. 111	− 6·0337	+ 1·1863	...	+ 13·829	+ 0·726	...	5022
786	27 Libræ β	+ 3·2250	+ 0·0117	− 0·009	+ 13·565	− 0·353	+ 0·01	5034
787	... ...	+ 3·9176	+ 0·0343	...	+ 13·424	− 0·431	...	...
788	... ...	+ 3·7569	+ 0·0274	...	+ 13·218	− 0·418	...	...
789	... ...	+ 3·9244	+ 0·0334	...	+ 13·082	− 0·440	...	..
790	Lacaille 6377 ...	+ 3·9380	+ 0·0334	.	+ 12·960	− 0·444	...	...
791	32 Libræ ξ¹	+ 3·3712	+ 0·0148	+ 0·002	+ 12·848	− 0·384	+ 0·05	5069
792	W. B. E. XV. 395 ...	+ 3·2776	+ 0·0124	...	+ 12·754	− 0·374	...	..
793	R. P. L. 114 ...	− 23·1459	+ 7·7715	...	+ 12·751	+ 2·001	..	5140
794	.. ..	+ 3·8004	+ 0·0276	...	+ 12·724	− 0·434	.	..
795	.. ..	+ 4·9855	+ 0·0862	...	+ 12·720	− 0·567	...	...
796	W. B. E. XV. 429 ..	+ 3·2832	+ 0·0125	.	+ 12·615	− 0·377	...	.
797	... .	+ 3·9506	+ 0·0327	...	+ 12·579	− 0·454	.	..
798	38 Libræ γ	+ 3·3414	+ 0·0136	+ 0·002	+ 12·348	− 0·389	− 0·02	5134
799	... .	+ 3·8564	+ 0·0285	...	+ 12·295	− 0·440	...	..
800	5 Cor. Bor. α (*Alphecca*)	+ 2·5295	+ 0·0023	+ 0·009	+ 12·280	− 0·297	+ 0·07	5143
801	... .	+ 3·9400	+ 0·0314	...	+ 12·193	− 0·463	.	.
802	.. ..	+ 3·6078	+ 0·0201	...	+ 12·043	− 0·426	...	.
803	. ...	+ 3·8691	+ 0·0278		+ 11·953	− 0·458	...	...
804	W. B. E. XV. 645 ..	+ 3·3072	+ 0·0125	..	+ 11·899	− 0·368	...	...
805	W. B. E. XV. 675 .	+ 3·3157	+ 0·0126	.	+ 11·788	− 0·396	..	

791.—Proper motion, in Right Ascension only, from "*Greenwich Catalogue* 1845."
792.—Proper motions from "*Greenwich Catalogue* 1872."

Mean Positions of Stars for 1865 January 1st.

Number.	Star.	Magnitude.	Estimations.	Mean Right Ascension.			Mean Polar Distance.			Observations.	Fraction of Year.
				h	m	s	°	′	″		
806	24 Serpentis α	2·7	...	15	37	37·20	83	8	50·7	5	0·42
807	Lalande 28787	8·4	...	15	42	9·00	92	49	6·2	1	0·43
808	Lalande 28970	8·0	1	15	48	0·68	70	49	14·7	1	0·42
809	7 Scorpii δ	2·5	...	15	52	21·34	112	14	5·2	2	0·36
810	W. B. E. XV. 1047 ...	8·0	1	15	55	59·39	91	16	20·2	1	0·41
811	8 Scorpii β¹	2·9	...	15	57	35·40	109	25	59·5	4	0·45
812	R. P. L. 116	6·9	...	16	4	30·87	4	18	54·2	2	0·87
813	W. B. E. XVI. 83 ...	8·0	1	16	6	6·00	102	41	14·8	1	0·53
814	1 Ophiuchi δ	2·8	...	16	7	16·28	93	20	40·1	3	0·46
815	... ...	7·8	3	16	9	12·26	112	35	3·2	3	0·50
816	... ...	9·7	1	16	9	46·72	112	33	44·8	1	0·41
817	O. A. S. 15504	8·9	1	16	11	24·95	106	41	35·5	1	0·57
818	20 Scorpii σ	3·0	...	16	12	59·31	115	15	56·5	1	0·43
819	... ...	9·4	1	16	15	40·00	152	17	11·8	1	0·55
820	... ...	9·2	1	16	18	3·44	129	30	44·4	1	0·41
821	21 Scorpii α (*Antares*) ...	1·1	...	16	21	8·02	116	7	45·5	2	0·52
822	... ...	8·5	1	16	22	46·33	48	26	57·5	1	0·57
823	... ...	9·3	1	16	23	48·00	152	15	9·8	1	0·56
824	30 Herculis g Var. 5 ...	5·1	...	16	24	12·42	47	49	11·0	2	0·53
825	... ...	9·2	1	16	26	28·30	130	55	0·1	1	0·46
826	... ...	9·2	1	16	28	27·91	152	16	53·0	1	0·55
827	... ...	9·3	1	16	29	19·30	130	54	1·2	1	0·46
828	α Trianguli Australis ...	2·2	...	16	34	24·34	158	46	28·5	1	0·56
829	... ...	8·0	1	16	34	41·30	134	7	9·8	1	0·57
830	40 Herculis ζ	3·1		16	36	11·91	58	9	3·6	4	0·53
831	... ...	8·8	1	16	36	48·18	130	58	5·5	1	0·46
832	O. A. S. 15952	9·0	1	16	39	25·89	111	55	39·2	1	0·56
833	20 Ophiuchi	4·7		16	42	22·01	100	32	29·4	2	0·36
834	... ...	8·2	1	16	44	28·76	131	1	35·5	1	0·46
835	... ...	8·5	1	16	44	41·86	130	18	28·1	1	0·53
836	Taylor 7815	8·4	2	16	45	33·57	130	17	59·6	2	0·52
837	... ...	9·3	1	16	47	7·56	130	59	43·1	1	0·46
838	Taylor 7832	8·6	3	16	47	32·80	130	17	35·9	3	0·54
839	27 Ophiuchi κ	3·4	...	16	51	16·03	80	24	45·8	4	0·54
840	... ...	8·4	1	16	51	43·63	122	53	45·6	1	0·56

807.—Comparison star for Donati's Comet of 1858. Double: the n. p. star observed.
808—810.—Comparison stars for Comet 2, 1862.
812.—Carrington 2423.
822.—Comparison star for Comet 2, 1861.
824.—30 Herculis g Var. 5.—Changes irregularly from 5th to 6·3 magnitude.

Observed with the Madras Meridian Circle in that Year.

Number.	Star.	In Right Ascension.			In Polar Distance.			Number in B. A. C.
		Annual Precession.	Secular Variation.	Proper Motion.	Annual Precession.	Secular Variation.	Proper Motion.	
		s	s	s	"	"	"	
806	24 Serpentis α ...	+ 2·9414	+ 0·0062	+ 0·009	+ 11·673	− 0·354	− 0·06	5196
807	Lalande 28787 ..	+ 3·1264	+ 0·0088	...	+ 11·348	− 0·381	...	...
808	Lalande 28970 ..	+ 2·6821	+ 0·0039	...	+ 10·922	− 0·333	...	...
809	7 Scorpii δ	+ 3·5361	+ 0·0159	− 0·001	+ 10·601	− 0·443	+ 0·01	5303
810	W. B. E. XV. 1047..	+ 3·0976	+ 0·0079	...	+ 10·330	− 0·392	...	...
811	8 Scorpii β¹	+ 3·4780	+ 0·0142	− 0·002	+ 10·209	− 0·441	+ 0·02	5329
812	R. P. L. 116 .. .	+ 12·4435	+ 1·7468	...	+ 9·684	+ 1·585	...	...
813	W. B. E. XVI. 83 ..	+ 3·3367	+ 0·0110	...	+ 9·561	− 0·431	...	...
814	1 Ophiuchi δ ..	+ 3·1409	+ 0·0081	− 0·006	+ 9·472	− 0·408	+ 0·13	5414
815	... .	+ 3·5645	+ 0·0147	...	+ 9·322	− 0·464	...	...
816	... .	+ 3·5646	+ 0·0147	...	+ 9·277	− 0·465	...	...
817	O. A. S. 15504 ..	+ 3·4289	+ 0·0121	...	+ 9·150	− 0·449	...	...
818	20 Scorpii σ	+ 3·6356	+ 0·0156	− 0·003	+ 9·028	− 0·478	+ 0·01	5447
819	... .	+ 5·3588	+ 0·0682	...	+ 8·806	− 0·706	...	...
820	... .	+ 4·0675	+ 0·0240	...	+ 8·629	− 0·540	...	...
821	21 Scorpii α (*Antares*)	+ 3·6678	+ 0·0150	− 0·001	+ 8·386	− 0·491	+ 0·03	5498
822	... ...	+ 1·9921	+ 0·0040	...	+ 8·255	− 0·260	...	...
823	... .	+ 5·3930	+ 0·0638	...	+ 8·172	− 0·722	...	...
824	30 Herculis g Var. 5.	+ 1·9649	+ 0·0042	+ 0·005	+ 8·141	− 0·265	− 0·07	5523
825	.. ..	+ 4·1358	+ 0·0235	...	+ 7·950	− 0·557	...	...
826	... .	+ 5·4164	+ 0·0614	...	+ 7·799	− 0·731	...	...
827	... ...	+ 4·1408	+ 0·0229	...	+ 7·730	− 0·560	...	...
828	α Trianguli Australis	+ 6·2771	+ 0·0907	0·000	+ 7·318	− 0·858	+ 0·06	5578
829	... .	+ 4·2799	+ 0·0247	...	+ 7·294	− 0·584	...	...
830	40 Herculis ζ ...	+ 2·2964	+ 0·0033	− 0·034	+ 7·172	− 0·316	− 0·45	5604
831	... ...	+ 4·1574	+ 0·0215	...	+ 7·121	− 0·570	...	...
832	O. A. S. 15952 ...	+ 3·5774	+ 0·0114	...	+ 6·903	− 0·493	...	...
833	20 Ophiuchi	+ 3·3068	+ 0·0080	+ 0·004	+ 6·664	− 0·458	+ 0·08	5637
834	... .	+ 4·1728	+ 0·0198	...	+ 6·490	− 0·579	...	...
835	... .	+ 4·1456	+ 0·0192	...	+ 6·471	− 0·575	...	...
836	Taylor 7815	+ 4·1467	+ 0·0191	...	+ 6·400	− 0·576	...	...
837	.. ..	+ 4·1759	+ 0·0192		+ 6·270	− 0·581	...	...
838	Taylor 7832	+ 4·1495	+ 0·0186	...	+ 6·235	− 0·578	...	...
839	27 Ophiuchi κ ..	+ 2·8563	+ 0·0044	− 0·023	+ 5·924	− 0·402	− 0·02	5706
840	... .	+ 3·8989	+ 0·0139	...	+ 5·886	− 0·547	...	...

828.—Proper motions from "*Stone's Cape Catalogue.*"
833.—Proper motions from "*Greenwich Catalogue* 1864"
839.—Proper motions from "*Greenwich Catalogue* 1872."

Mean Positions of Stars for 1865 January 1st.

Number.	Star.	Magnitude.	Estimations.	Mean Right Ascension.			Mean Polar Distance.			Observations.	Fraction of Year.
				h.	m.	s.	°	′	″		
841	... ...	8·6	1	16	52	9·46	122	48	57·6	1	0·58
842	O. A. S. 16233	8·0	1	16	54	2·24	110	23	38·1	1	0·57
843	... ...	8·5	2	16	55	53·52	130	54	46·4	2	0·51
844	O. A. S. 16288	8·0	1	16	56	31·41	119	50	13·0	1	0·57
845	Taylor 7926	7·9	1	16	59	50·75	136	51	8·5	1	0·57
846	22 Ursæ Minoris ε ...	4·5	...	16	59	54·35	7	44	47·0	2	0·06
847	35 Ophiuchi η	2·6	...	17	2	38·62	105	33	17·0	1	0·36
848	Lacaille 7168	7·9	2	17	4	40·01	128	7	46·8	2	0·52
849	... ...	9·4	1	17	5	40·92	130	53	47·4	1	0·56
850	... ...	8·0	1	17	5	48·39	130	50	29·5	1	0·57
851	... ...	8·5	1	17	6	15·23	137	25	6·5	1	0·36
852	... ...	8·2	1	17	7	12·00	130	42	6·4	1	0·46
853	64 Herculis α Var. 1 ...	3·2	...	17	8	29·51	75	27	12·6	8	0·54
854	... ...	8·4	1	17	9	5·35	124	4	21·4	1	0·58
855	Taylor 8017	7·7	1	17	13	25·03	114	45	58·3	1	0·57
856	42 Ophiuchi θ	3·4	...	17	13	43·18	114	51	41·9	3	0·54
857	δ Aræ ... ... 2nd...	7·0	2	17	18	55·02	150	33	59·3	2	0·57
858	... ...	9·2	1	17	21	17·42	130	45	42·7	1	0·47
859	Brisbane 6091	8·8	1	17	21	24·89	148	27	5·6	1	0·55
860	... ...	8·8	1	17	21	26·76	130	32	59·7	1	0·56
861	Lacaille 7315	7·0	1	17	22	12·66	130	55	53·1	1	0·57
862	... ...	9·1	1	17	27	4·13	150	35	41·3	1	0·56
863	... ...	8·0	2	17	28	8·24	130	43	30·8	2	0·52
864	55 Ophiuchi α	2·2	...	17	28	40·02	77	21	21·6	4	0·57
865	55 Serpentis ξ	3·7	...	17	29	51·37	105	18	37·5	4	0·44
866	κ Scorpii	2·6	...	17	33	8·09	128	5	22·9	2	0·56
867	56 Serpentis ο	4·4	...	17	33	49·60	102	47	57·4	1	0·38
868	... ...	9·0	1	17	34	16·80	128	57	31 1	1	0·55
869	Lacaille 7406	7·9	1	17	34	46 53	128	44	13·2	1	0 57
870	... ...	9·2	1	17	36	8·27	150	36	6·0	1	0·56
871	... ...	8·5	1	17	37	43·95	126	29	30·5	1	0·47
872	... ...	8·0	1	17	39	37·60	127	21	38·2	1	0·46
873	86 Herculis μ	3·5	...	17	41	10·47	62	11	54·6	7	0·57
874	... ...	8·5	1	17	42	8·92	118	27	24·5	1	0·58
875	... ...	8·2	1	17	43	24·59	128	36	13·5	2	0·56

853.—α Herculis Var. 1.—Changes irregularly between 3rd and 4th magnitudes.
871.—872.—875.—Comparison stars for Donati's Comet of 1858.

Observed with the Madras Meridian Circle in that Year.

Number.	Star.	In Right Ascension.			In Polar Distance.			Number in B. A. C.
		Annual Precession.	Secular Variation.	Proper Motion.	Annual Precession.	Secular Variation.	Proper Motion.	
		s	s	s	"	"	"	
841	... ...	+ 3·8968	+ 0·0137	...	+ 5·851	− 0·547	...	...
842	O. A. S. 16233 ...	+ 3·5487	+ 0·0093	...	+ 5·693	− 0·498	...	...
843	... ...	+ 4·1859	+ 0·0171	...	+ 5·537	− 0·589	...	...
844	O. A. S. 16288 ...	+ 3·8098	+ 0·0119	...	+ 5·483	− 0·537	...	..
845	Taylor 7926	+ 4·4196	+ 0·0203	...	+ 5·204	− 0·629	...	...
846	22 Ursæ Minoris ε ...	− 6·4215	+ 0·3041	+ 0·009	+ 5·197	+ 0·902	− 0·01	5780
847	35 Ophiuchi η ...	+ 3·4326	+ 0·0074	+ 0·001	+ 4·967	− 0·487	− 0·12	5781
848	Lacaille 7168 ...	+ 4·0911	+ 0·0139	...	+ 4·795	− 0·581	...	...
849	... ...	+ 4·1977	+ 0·0149	...	+ 4·709	− 0·597	...	...
850	... ...	+ 4·1957	+ 0·0148	...	+ 4·698	− 0·597	...	...
851	... ...	+ 4·4872	+ 0·0187	...	+ 4·660	− 0·638	...	...
852	... .	+ 4·1921	+ 0·0144	...	+ 4·580	− 0·597	...	...
853	64 Herculis α Var. 1.	+ 2·7338	+ 0·0035	− 0·003	+ 4·409	− 0·391	− 0·04	5821
854	... ...	+ 3·9541	+ 0·0113	...	+ 4·418	− 0·565	...	...
855	Taylor 8017	+ 3·6762	+ 0·0080	...	+ 4·048	− 0·527	...	5846
856	42 Ophiuchi θ ...	+ 3·6789	+ 0·0080	− 0·003	+ 4·023	− 0·528	− 0·02	5851
857	β Aræ ... 2nd...	+ 5·4037	+ 0·0269	− 0·009	+ 3·576	− 0·778	+ 0·09	...
858	... ...	+ 4·2082	+ 0·0111	...	+ 3·371	− 0·606	...	...
859	Brisbane 6091 ..	+ 5·2189	+ 0·0227	...	+ 3·360	− 0·753	...	...
860	... .	+ 4·1998	+ 0·0109	...	+ 3·358	− 0·605	...	...
861	Lacaille 7315 ...	+ 4·2158	+ 0·0100	...	+ 3·303	− 0·608	...	...
862	... .	+ 5·4109	+ 0·0219	...	+ 2·871	− 0·783	...	...
863	... ...	+ 4·2130	+ 0·0094	...	+ 2·779	− 0·609	...	...
864	55 Ophiuchi α ...	+ 2·7745	+ 0·0030	+ 0·004	+ 2·733	− 0·402	+ 0·20	5941
865	55 Serpentis ξ .	+ 3·4350	+ 0·0047	− 0·004	+ 2·630	− 0·498	+ 0·04	5949
866	κ Scorpii	+ 4·1451	+ 0·0079	0·000	+ 2·344	− 0·601	+ 0·03	5970
867	56 Serpentis ο ...	+ 3·3739	+ 0·0041	− 0·008	+ 2·285	− 0·490	+ 0·04	5976
868	... .	+ 4·1464	+ 0·0075	...	+ 2·246	− 0·612	...	...
869	Lacaille 7406 ...	+ 4·1382	+ 0·0072	...	+ 2·208	− 0·601	...	...
870	... .	+ 5·4322	+ 0·0162	...	+ 2·084	− 0·797	...	..
871	... . ..	+ 4·0564	+ 0·0062	...	+ 1·950	− 0·500	...	...
872	... .. .	+ 4·0888	+ 0·0060	...	+ 1·750	− 0·595	...	...
873	86 Herculis μ ..	+ 2·3694	+ 0·0025	− 0·026	+ 1·646	− 0·346	+ 0·74	6021
874	.. ..	+ 3·7945	+ 0·0045	...	+ 1·561	− 0·553	..	..
875	..	+ 4·1368	+ 0·0052	...	+ 1·450	− 0·608	...	...

857.—866. Proper motions from "*Stone's Cape Catalogue.*"
865.—Proper motions from "*Greenwich Catalogue* 1872."

Mean Positions of Stars for 1865 January 1st.

Number.	Star.	Magnitude.	Estimations.	Mean Right Ascension. h.	m.	s.	Mean Polar Distance. °	′	″	Observations.	Fraction of Year.
876	... ...	8·8	1	17	50	46·67	152	7	33·1	1	0·56
877	Lacaille 7517	8·0	1	17	52	29·06	140	10	23·6	1	0·57
878	Lacaille 7518	7·8	2	17	52	48·59	140	12	15·7	2	0·56
879	33 Draconis γ (*Etanin*) ...	2·4	...	17	53	28·08	38	29	40·0	1	0·61
880	Taylor 8355	7·0	1	17	57	4·10	133	25	40·8	1	0·55
881	... ...	7·7	1	17	59	25·97	130	26	12·2	1	0·58
882	... ...	8·7	1	18	1	18·07	131	43	35·0	1	0·57
883	... ...	8·2	1	18	2	53·69	131	44	27·6	1	0·57
884	13 Sagittarii μ^1	4·1	...	18	5	41·35	111	5	27·7	7	0·57
885	Lalande 33818	8·0	3	18	15	4·73	101	55	21·9	3	0·57
886	Lalande 33845	6·9	3	18	15	38·86	102	4	30·2	3	0·57
887	23 Ursæ Minoris δ ...	4·3	...	18	15	53·61	3	23	45·3	5	0·30
888	θ Coronæ Australis ...	5·1	...	18	23	51·60	132	24	20·3	1	0·50
889	Taylor 8551...	7·3	1	18	27	23·25	149	13	40·1	1	0·36
890	3 Lyræ α (*Vega*)	0·2	...	18	32	22·02	51	20	25.5	5	0·60
891	... ...	9·0	1	18	34	43·07	136	44	54·6	1	0·58
892	Lacaille 7832	7·0	...	18	37	40·03	149	5	27·1	1	0·50
893	10 Lyræ β Var. 1... ...	3·6	...	18	45	5·68	56	47	32·8	7	0·64
894	32 Sagittarii ν^1	5·0	...	18	46	1·11	112	54	28·3	1	0·36
895	37 Sagittarii ξ^2	3·5	...	18	49	40·47	111	16	52·6	1	0·30
896	39 Sagittarii o	3·9	...	18	56	35·28	111	56	9·3	1	0·67
897	R. P. L. 131	6·6	...	18	58	33·56	3	27	54·2	1	0·17
898	17 Aquilæ ζ	3·1	...	18	59	12·21	76	20	5·8	8	0·62
899	... ...	8·5	1	19	0	25·86	120	47	3·0	1	0·58
900	... ...	8·1	1	19	10	3·24	107	9	34·5	1	0·70
901	25 Aquilæ ω	5·1	...	19	11	28·68	78	38	44·6	7	0·62
902	... .	8·2	2	19	16	38·56	120	52	39·1	2	0·69
903	30 Aquilæ δ	3·5	...	19	18	41·38	87	9	7·0	8	0·62
904	Taylor 8950	6·1	...	19	22	13·87	143	27	55·2	1	0·68
905	... ...	8·5	1	19	25	0·13	120	55	47·4	1	0·67
906	51 Sagittarii h^1	5·8	...	19	27	40·59	115	0	41·5	1	0·58
907	52 Sagittarii h^2	4·6	...	19	28	29·29	115	10	42·7	5	0·67
908	55 Sagittarii e^2	5·0	...	19	31	47·60	106	26	14·3	2	[illegible]
909	50 Aquilæ γ	2·8	...	19	39	50·32	79	42	49·0	5	0·64
910	S Vulpeculæ Var. 3.	9·0	1	19	42	51·64	63	2	52·5	1	0·67

880.—882.—883.—888.—Comparison stars for Donati's Comet of 1858.
885.—886.—Comparison stars for Asia in 1863.
893.—β Lyræ Var. 1.—Period 12.91 days. Range, 3.5 to 4.5 magnitude
897.—Carrington 2892.
910.—S Vulpeculæ Var. 3.—Period 67.5 days. Range, 8.5 to 9.5 magnitude

Observed with the Madras Meridian Circle in that Year.

Number.	Star.	In Right Ascension.			In Polar Distance.			Number in B. A. C.
		Annual Precession.	Secular Variation.	Proper Motion.	Annual Precession.	Secular Variation.	Proper Motion.	
		s	s	s	"	"	"	
876	... .	+ 5·5980	+ 0·0073	...	+ 0·807	− 0·816	...	...
877	Lacaille 7517 ...	+ 5·3144	+ 0·0053	...	+ 0·657	− 0·774	...	...
878	Lacaille 7518 ...	+ 5·3143	+ 0·0052	...	+ 0·629	− 0·775	...	...
879	33 Draconis γ (*Etanin*)	+ 1·3915	+ 0·0030	0·000	+ 0·571	− 0·208	+ 0·04	6091
880	Taylor 8355	+ 4·3375	+ 0·0024	− 0·006	+ 0·256	− 0·632	+ 0·12	6112
881	... .	+ 5·4292	+ 0·0012	...	+ 0·050	− 0·792	...	...
882	... .	+ 4·2644	+ 0·0011	...	− 0·114	− 0·622	...	...
883	... .	+ 4·2650	+ 0·0007	...	− 0·253	− 0·622	...	...
884	13 Sagittarii μ¹ ..	+ 3·5875	+ 0·0000	− 0·004	+ 0·498	− 0·523	+ 0·01	6168
885	Lalande 33818 ...	+ 3·3538	+ 0·0004	...	− 1·319	− 0·487	...	...
886	Lalande 33845 ..	+ 3·3575	+ 0·0004	...	− 1·368	− 0·488	...	...
887	23 Ursæ Minoris δ ...	− 19·4015	− 0·4618	+ 0·048	− 1·390	+ 2·825	− 0·03	6281
888	θ Coronæ Australis ..	+ 4·2866	− 0·0049	0·000	− 2·084	− 0·620	− 0·03	6296
889	Taylor 8551 ...	+ 5·3014	− 0·0153	...	− 2·301	− 0·767	...	...
890	3 Lyræ α (*Vega*) ...	+ 2·0130	+ 0·0016	+ 0·017	− 2·823	− 0·200	− 0·28	6355
891	... ...	+ 4·4770	− 0·0098	...	− 3·026	− 0·644	...	...
892	Lacaille 7832 ...	+ 5·2752	− 0·0210	...	− 3·283	− 0·758	...	...
893	10 Lyræ β Var. 1 ..	+ 2·2137	+ 0·0015	− 0·002	− 3·920	− 0·315	+ 0·03	6429
894	32 Sagittarii ν ..	+ 3·6257	− 0·0043	− 0·004	− 4·000	− 0·516	+ 0·01	6434
895	37 Sagittarii ξ² ..	+ 3·5807	− 0·0043	− 0·001	− 4·313	− 0·508	+ 0·03	6461
896	39 Sagittarii ο ..	+ 3·5943	− 0·0053	+ 0·001	− 4·902	− 0·506	+ 0·05	6507
897	R. P. L. 131 ...	− 18·2908	− 1·6014	...	− 5·069	+ 2·582	...	...
898	17 Aquilæ ζ	+ 2·7578	+ 0·0003	− 0·006	− 5·123	− 0·387	+ 0·07	6528
899	... .	+ 4·1347	− 0·0149	...	− 5·983	− 0·573	...	...
900	... .	+ 3·4658	− 0·0055	...	− 6·035	− 0·479	...	..
901	25 Aquilæ ω .. .	+ 2·8165	− 0·0003	− 0·003	− 6·154	− 0·388	− 0·02	6505
902	... .	+ 4·1272	− 0·0164	..	− 6·582	− 0·565	...	..
903	30 Aquilæ δ ..	+ 3·0094	− 0·0018	+ 0·014	− 6·752	− 0·410	− 0·10	6646
904	Taylor 8950	+ 4·7618	− 0·0327	...	− 7·042	− 0·647	...	6669
905	... .	+ 4·1151	− 0·0181	..	− 7·269	− 0·557	...	...
906	51 Sagittarii h¹ .	+ 3·6506	− 0·0100	− 0·002	− 7·499	− 0·491	0·00	6704
907	52 Sagittarii h² .	+ 3·6542	− 0·0102	+ 0·002	− 7·553	− 0·490	− 0·02	6706
908	55 Sagittarii e²	+ 3·4334	− 0·0075	+ 0·001	− 8·060	− 0·456	− 0·02	6742
909	50 Aquilæ γ ..	+ 2·8520	− 0·0011	+ 0·001	− 8·463	− 0·373	0·00	6772
910	8 Vulpeculæ Var. 3	+ 2·4596	+ 0·0011	...	− 8·700	− 0·319	...	..

890.—898.—Proper motions from "*Stone's Cape Catalogue.*"

Mean Positions of Stars for 1865 January 1st.

Number.	Star.	Magnitude.	Estimations.	Mean Right Ascension.			Mean Polar Distance.			Observations.	Fraction of Year.
				h.	m.	s.	°	′	″		
911	53 Aquilæ α (*Altair*) ...	1·0	...	19	44	11·67	81	29	8·9	6	0·64
912	60 Aquilæ β	4·0	...	19	48	40·76	83	55	41·5	3	0·67
913	... ...	9·1	1	19	53	5·44	147	10	40·9	1	0·67
914	... ...	9·0	...	19	55	41·11	151	51	30·7	1	0·64
915	Taylor 9208	5·1	...	19	55	45·70	122	25	56·3	1	0·69
916	... ...	8·7	3	19	56	50·84	130	21	22·9	3	0·67
917	λ Ursæ Minoris	6·5	...	19	59	9·25	1	5	44·2	2	0·10
918	O. A. N. 20046	9·3	1	20	2	40·74	32	23	22·0	1	0·66
919	R Capricorni Var. 1 ...	9·7	1	20	3	44·00	104	39	54·0	1	0·74
920	R Delphini Var. 2 ...	9·7	1	20	8	24·18	81	19	7·6	1	0·74
921	O. A. S. 20356	7·9	1	20	8	24·95	110	25	57·4	1	0·70
922	6 Capricorni α²	3·8	...	20	10	33·62	102	57	39·2	8	0·68
923	... ...	7·6	1	20	10	33·90	149	8	50·2	1	0·64
924	... ...	8·0	1	20	11	18·74	106	16	33·2	1	0·66
925	Lalande 39095	8·3	2	20	14	44·30	106	15	18·3	2	0·61
926	α Pavonis	2·1	...	20	14	56·82	147	9	52·3	2	0·65
927	X Capricorni Var. 7 ...	9·9	1	20	15	1·81	106	26	29·5	1	0·75
928	Lalande 39195	8·8	1	20	15	34·66	106	13	10·6	1	0·58
929	Lacaille 8441	8·0	2	20	18	16·87	121	6	46·5	2	0·60
930	11 Capricorni ρ	5·0	...	20	21	9·30	108	15	26·9	5	0·70
931	... ...	...	...	20	23	46·14	86	1	59·3	1	0·67
932	Lalande 39525	8·0	1	20	24	58·84	86	2	18·9	1	0·66
933	... ...	9·3	1	20	27	16·98	121	5	40·2	1	0·67
934	... ...	9·5	1	20	30	57·55	149	55	10·7	1	0·64
935	S Capricorni Var. 2 ...	9·0	1	20	34	0·83	109	32	10·1	1	0·66
936	... ...	8·9	1	20	35	50·94	123	58	17·3	1	0·73
937	50 Cygni α (*Deneb*) ...	1·5	...	20	36	49·80	45	12	2·8	5	0·70
938	2 Aquarii ε	3·8	...	20	40	21·93	99	59	15·9	1	0·67
939	W. B. E. XX. 1024 ...	9·3	1	20	40	56·30	105	24	5·0	1	0·73
940	... ...	10·5	1	20	41	12·02	105	18	5·8	1	0·72
941	T Aquarii Var. 4	9·5	1	20	42	48·61	95	38	44·6	1	0·67
942	Lacaille 8571	7·7	...	20	42	58·06	150	12	43·6	1	0·64
943	... ...	9·7	1	20	43	40·77	124	57	55·9	2	0·70
944	Taylor 9633	7·4	2	20	44	37·41	101	56	34·0	2	0·72
945	... ...	6·7	...	20	47	40·06	149	1	3·4	1	0·73

919.—R Capricorni Var. 1.—Period 347 days. Range, 9th to below 14th magnitude.
920.—R Delphini Var. 2.—Period 284 days. Range, 8th to 13th magnitude.
921.—Comparison star for Parthenope in 1862.
924, 925, 926.—Comparison stars for Hestia in 1865.
927.—X Capricorni Var. 7.—Period unknown. Range, 10·4 to below 13th magnitude.
935.—S Capricorni Var. 2.—Supposed to change from 9th to 11th magnitude.
941.—T Aquarii Var. 4.—Period 203 days. Range, 7th to 12·5 magnitude.

Observed with the Madras Meridian Circle in that Year.

Number.	Star.	In Right Ascension.			In Polar Distance.			Number in B. A. C.
		Annual Precession.	Secular Variation.	Proper Motion.	Annual Precession.	Secular Variation.	Proper Motion.	
		s	s	s	"	"	"	
911	53 Aquilæ α *(Altair.)*	+ 2·8921	− 0·0014	+ 0·036	− 8·808	− 0·374	− 0·38	6802
912	60 Aquilæ β	+ 2·9455	− 0·0020	+ 0·002	− 9·158	− 0·378	+ 0·47	6833
913	... ...	+ 4·8978	− 0·0523	...	− 9·499	− 0·626	...	...
914	... ...	+ 5·2600	− 0·0700	...	− 9·698	− 0·668	...	...
915	Taylor 9208	+ 3·8156	− 0·0175	...	− 9·705	− 0·483	...	6877
916	... ...	+ 4·0637	− 0·0244	...	− 9·788	− 0·513	...	...
917	λ Ursæ Minoris ...	− 57·6046	− 29·8483	− 0·035	− 9·964	+ 7·295	− 0·01	6999
918	O. A. N. 20046 ...	+ 1·2593	− 0·0074	...	− 10·230	− 0·154	...	...
919	R Capricorni Var. 1...	+ 3·3722	− 0·0087	...	− 10·309	− 0·418	...	...
920	R Delphini Var. 2 ...	+ 2·8992	− 0·0017	...	− 10·657	− 0·353	...	...
921	O. A. S. 20356 ...	+ 3·4940	− 0·0116	...	− 10·659	− 0·427	...	...
922	6 Capricorni α² ...	+ 3·3311	− 0·0084	+ 0·001	− 10·818	− 0·403	0·00	6974
923	... ...	+ 4·9568	− 0·0649	...	− 10·817	− 0·604	...	...
924	.. ..	+ 3·4001	− 0·0098	...	+ 10·872	− 0·412	...	...
925	Lalande 39095 ...	+ 3·3965	− 0·0100	...	− 11·123	− 0·408	...	...
926	α Pavonis	+ 4·7948	− 0·0594	0·000	− 11·139	− 0·594	+ 0·10	7004
927	X Capricorni Var. 7...	+ 3·4001	− 0·0101	...	− 11·144	− 0·407	...	...
928	Lalande 39195 ...	+ 3·3940	− 0·0101	...	− 11·184	− 0·406	...	...
929	Lacaille 8441 ...	+ 3·7365	− 0·0192	...	− 11·380	− 0·444	...	...
930	11 Capricorni ρ ...	+ 3·4321	− 0·0115	− 0·006	− 11·586	− 0·403	+ 0·01	7012
931	... ...	+ 2·9970	− 0·0031	...	− 11·771	− 0·349	...	...
932	Lalande 39525 ...	+ 2·9974	− 0·0031	...	− 11·858	− 0·347	...	...
933	... ...	+ 3·7176	− 0·0200	...	− 12·019	− 0·429	...	...
934	... ...	+ 4·8974	− 0·0742	...	− 12·275	− 0·560	...	...
935	S Capricorni Var. 2...	+ 3·4433	− 0·0128	...	− 12·485	− 0·385	...	...
936	... ...	+ 3·7722	− 0·0231	...	− 12·621	− 0·423	...	..
937	50 Cygni α *(Deneb)*...	+ 2·0433	+ 0·0021	− 0·002	− 12·677	− 0·226	0·00	7171
938	2 Aquarii ε	+ 3·2522	− 0·0084	− 0·001	− 12·915	− 0·357	+ 0·01	7196
939	W. B. E. XX. 1024 ..	+ 3·3533	− 0·0109	...	− 12·954	− 0·367	...	...
940	... ...	+ 3·3511	− 0·0109	...	− 12·971	− 0·367	...	...
941	T Aquarii Var. 4 ..	+ 3·1723	− 0·0066	...	− 13·079	− 0·345	...	...
942	Lacaille 8571 .	+ 4·8418	− 0·0787	...	− 13·089	− 0·529	...	...
943	. .	+ 3·7786	− 0·0248	...	− 13·137	− 0·410	...	...
944	Taylor 9633 .	+ 3·2847	− 0·0093	...	− 13·198	− 0·355	.	7232
945	. .	+ 4·7289	− 0·0744	.	− 13·399	− 0·507	...	...

926.—Proper motions from "*Stone's Cape Catalogue.*"

Mean Positions of Stars for 1865 January 1st.

Number.	Star.	Magnitude.	Estimations.	Mean Right Ascension.			Mean Polar Distance.			Observations.	Fraction of Year.
				h.	m.	s.	°	′	″		
946	32 Vulpeculæ	5·1	...	20	48	48·29	62	27	15·5	6	0·71
947	... ...	9·7	1	20	50	45·82	148	45	39·4	1	0·72
948	Lacaille 8630	9·2	1	20	51	40·11	126	37	49·0	2	0·74
949	Lacaille 8635	7·8	2	20	52	22·67	126	34	50·3	2	0·67
950	... ...	9·5	1	20	54	1·91	142	59	0·6	1	0·73
951	Taylor 9772	8·0	1	21	0	31·56	145	7	3·2	1	0·69
952	61 Cygni ... ... 1st...	5·5	...	21	0	50·71	51	54	46·7	3	0·73
953	... ...	9·5	1	21	2	58·89	145	6	29·5	1	0·72
954	Lacaille 8712	8·2	2	21	4	15·93	146	48	18·2	3	0·73
955	64 Cygni ζ	3·5	...	21	7	11·38	60	19	32·4	5	0·74
956	... ...	10·5	1	21	8	20·18	110	49	43·3	1	0·73
957	... ...	9·6	2	21	11	5·07	129	31	42·1	2	0·72
958	Brisbane 7012	7·9	1	21	14	9·52	151	45	46·1	1	0·78
959	T Capricorni Var. 3 ...	8·8	2	21	14	28·86	105	39	56·0	2	0·69
960	... ...	9·5	3	21	15	3·85	130	15	53·2	3	0·74
961	5 Cephei α (*Alderamin*)...	2·6	...	21	15	21·19	27	59	6·6	2	0·74
962	... ...	9·3	1	21	18	38·91	153	52	19·1	1	0·78
963	Taylor 9931	6·9	2	21	18	46·05	142	53	8·9	2	0·70
964	... ...	8·6	2	21	20	10·20	150	47	35·5	2	0·76
965	... ...	9·7	2	21	23	1·14	110	7	13·9	2	0·70
966	22 Aquarii β	3·1	...	21	24	27·02	96	9	49·3	7	0·73
967	... ...	8·2	1	21	25	53·37	140	23	11·1	1	0·76
968	8 Cephei β	3·4	...	21	26	51·58	20	1	52·4	1	0·75
969	... ...	9·0	1	21	29	34·00	134	2	16·0	1	0·73
970	... ...	9·4	2	21	33	56·38	103	0	7·3	2	0·73
971	Taylor 10068	7·6	1	21	34	24·78	134	6	27·0	1	0·76
972	Taylor 10065	6·4	1	21	34	32·48	145	6	51·4	1	0·70
973	.. ..	9·0	1	21	34	45·65	134	0	11·5	1	0·77
974	T. Cephei Var. 3	8·0	3	21	36	50·64	11	59	1·8	3	0·76
975	8 Pegasi ε	2·4	...	21	37	33·27	80	44	34·0	4	0·72
976	μ Cephei Var. 2 ...	4·0	...	21	39	22·67	31	50	19·5	1	0·75
977	.. ..	10·0	2	21	40	51·52	102	32	9·3	3	0·70
978	Taylor 10126 . .	7·0	1	21	41	3·49	137	11	9·7	1	0·78
979	... ...	9·1	1	21	42	50·67	132	31	9·2	1	0·76
980	16 Pegasi	5·0	...	21	46	55·24	61	42	33·3	3	0·74

959.—T Capricorni Var. 3.—Period 269 days. Range, 9th to below 14th magnitude.
965.—Observed by mistake for Doris.
974.—S Cephei Var. 3.—Period 485 days. Range, 8th to 11·5 magnitude.
976.—μ Cephei Var. 1.—Changes irregularly from 4th to 6th magnitude.
977.—Observed by mistake for Uranus.

Observed with the Madras Meridian Circle in that Year.

Number.	Star.	In Right Ascension.			In Polar Distance.			Number in B. A. C.
		Annual Precession.	Secular Variation.	Proper Motion.	Annual Precession.	Secular Variation.	Proper Motion.	
		s	s	s	"	"	"	
946	32 Vulpeculæ ..	+ 2·5554	+ 0·0026	− 0·002	− 13·472	− 0·270	0·00	7256
947	... .	+ 4·6021	− 0·0739	...	− 13·598	− 0·497	...	...
948	Lacaille 8530 ..	+ 3·8001	− 0·0272	...	− 13·656	− 0·400	...	...
949	Lacaille 8635 ..	+ 3·7966	− 0·0272	.	− 13·701	− 0·398	...	...
950	... .	+ 4·3582	− 0·0553	...	− 13·807	− 0·455	...	...
951	Taylor 9772	+ 4·4255	− 0·0624	...	− 14·214	− 0·449	...	...
952	61 Cygni, 1st ..	+ 2·3338	+ 0·0044	+ 0·339	− 14·237	− 0·233	− 3·22	7336
953	... .	+ 4·4087	− 0·0626	...	− 14·364	− 0·443	...	...
954	Lacaille 8712 ..	+ 4·4900	− 0·0685	...	− 14·442	− 0·448	...	...
955	64 Cygni 5	+ 2·5505	+ 0·0038	− 0·003	− 14·619	− 0·248	+ 0·07	7368
956	... .	+ 3·4184	− 0·0149	...	− 14·687	− 0·333	...	..
957	... .	+ 3·8135	− 0·0320	...	− 14·850	− 0·368	...	...
958	Brisbane 7012 ...	+ 4·7205	− 0·0917	...	− 15·029	− 0·450	...	...
959	T Capricorni Var. 3	+ 3·3200	− 0·0120	...	− 15·048	− 0·314	...	...
960	... ...	+ 3·8186	− 0·0331	...	− 15·082	− 0·361	...	...
961	5 Cephei α (*Alderamin*)	+ 1·4161	− 0·0071	+ 0·021	− 15·099	− 0·130	− 0·01	7416
962	... ...	+ 4·8365	− 0·1051	...	− 15·287	− 0·449	...	...
963	Taylor 9931... ..	+ 4·2151	− 0·0575	...	− 15·294	− 0·391	...	7443
964	... ...	+ 4·0081	− 0·0871	...	− 15·372	− 0·425	...	...
965	... ...	+ 3·3820	− 0·0147	...	− 15·531	− 0·305	...	...
966	22 Aquarii β	+ 3·1626	− 0·0071	− 0·001	− 15·611	− 0·282	0·00	7478
967	... ...	+ 4·0783	− 0·0516	...	− 15·688	− 0·363	...	...
968	8 Cephei β	+ 0·8007	− 0·0345	0·000	− 15·744	− 0·065	+ 0·04	7493
969	... .	+ 3·8611	− 0·0394	...	− 15·887	− 0·337	...	...
970	... .	+ 3·2558	− 0·0106	...	− 16·118	− 0·276	...	...
971	Taylor 10068 ...	+ 3·8411	− 0·0305	...	− 16·143	− 0·325	...	7538
972	Taylor 10066 ...	+ 4·2090	− 0·0649	...	− 16·149	− 0·357	...	7540
973	... .	+ 3·8363	− 0·0394	...	− 16·161	− 0·324	...	...
974	S Cephei Var. 2 ...	− 0·6115	− 0·1623	...	− 16·268	+ 0·059	...	...
975	8 Pegasi ε	+ 2·9452	− 0·0005	+ 0·003	− 16·305	− 0·242	0·00	7561
976	μ Cephei Var. 2 ..	+ 1·8324	+ 0·0089	...	− 16·397	− 0·147	...	7582
977	... ...	+ 3·2417	− 0·0104	...	− 16·471	− 0·263	...	...
978	Taylor 10126	+ 3·8958	− 0·0454	...	− 16·481	− 0·317	...	7591
979	... .	+ 3·7623	− 0·0372	...	− 16·574	− 0·302	...	...
980	16 Pegasi	+ 2·7255	+ 0·0052	+ 0·001	− 16·768	− 0·210	+ 0·01	7627

Mean Positions of Stars for 1865 January 1st.

Number.	Star.	Magnitude.	Estimations.	Mean Right Ascension.			Mean Polar Distance.			Observations.	Fraction of Year.
				h.	m.	s.	°	′	″		
981	Lacaille 8958	7·6	3	21	47	16·62	135	53	3·5	3	0·72
982	... ...	9·0	2	21	47	38·79	133	12	13·7	2	0·77
983	Taylor 10190	6·3	...	21	51	10·18	146	31	39·9	2	0·77
984	.. ..	9·3	1	21	52	50·47	136	37	55·9	1	0·72
985	... ...	9·3	1	21	53	54·17	150	49	0·7	1	0·73
986	κ^2 Indi	6·0	...	21	56	20·63	150	17	16·4	4	0·73
987	... ...	7·9	2	21	58	15·89	136	2	17·3	2	0·78
988	34 Aquarii α	3·2	...	21	58	50·89	90	58	29·0	6	0·77
989	α Gruis	1·9	...	21	59	42·68	137	36	48·7	1	0·75
990	... ...	9·5	2	22	3	22·81	101	8	37·2	2	0·75
991	... ...	8·9	3	22	5	27·52	101	5	30·6	3	0·74
992	W. B. E. XXII. 98 ...	7·9	2	22	6	24·88	90	26	29·8	2	0·70
993	... ...	8·5	2	22	9	12·07	146	27	1·4	2	0·78
994	43 Aquarii θ	4·3	...	22	9	42·46	98	27	16·2	10	0·76
995	... ...	7·7	2	22	12	31·16	150	37	32·4	2	0·78
996	... ...	9·0	1	22	13	13·22	146	28	18·1	1	0·78
997	... ...	8·8	2	22	15	23·85	82	47	7·3	2	0·71
998	... ...	10·2	1	22	16	2·54	82	42	16·1	1	0·79
999	... ...	9·5	2	22	16	55·12	135	58	6·7	2	0·77
1000	... ...	9·3	1	23	18	54·56	140	45	27·7	1	0·78
1001	55 Aquarii ζ ... 1st...	4·7	...	22	21	52·66	90	42	34·8	1	0·83
1002	55 Aquarii ζ ... 2nd...	4·5	...	22	21	52·81	90	42	38·3	3	0·80
1003	... ...	9·0	1	22	21	54·59	100	37	29·7	1	0·75
1004	57 Aquarii σ	4·8	...	22	23	30·03	101	22	5·9	2	0·68
1005	R. P. L. 150	5·4	...	22	23	34·72	4	34	23·3	3	0·57
1006	. ...	9·3	1	22	24	21·48	135	41	51·5	1	0·77
1007	.. ..	8·0	1	22	25	55·85	141	29	56·5	3	0·74
1008	62 Aquarii η .. .	4·2	...	22	28	25·06	90	48	45·5	9	0·74
1009	T Aquarii Var. 3 ..	10·8	2	22	28	48·35	98	18	13·9	2	0·70
1010	Lacaille 9188	6·6	...	22	29	57·42	130	33	24·6	1	0·78
1011	Taylor 10477 .. .	6·1	...	22	32	11·34	148	7	31·4	3	0·80
1012	. . .. .	9·0	2	22	34	16·12	155	31	1·2	2	0·78
1013	42 Pegasi ζ .	3·6	...	22	34	43·74	79	52	21·7	11	0·76
1014	. .	9·1	1	22	36	31·00	130	28	35·8	1	0·62
1015	Lacaille 9226 .	6·5	...	23	37	42·80	145	46	18·9	1	0·67

992.—Comparison star for Comet 2, 1862.
1005.—Groombridge 3820.
1009.—T Aquarii Var. 3.—Period unknown. Supposed to change between 9th and 11th magnitudes.

Observed with the Madras Meridian Circle in that Year.

Number.	Star.	In Right Ascension. Annual Precession.	In Right Ascension. Secular Variation.	In Right Ascension. Proper Motion.	In Polar Distance. Annual Precession.	In Polar Distance. Secular Variation.	In Polar Distance. Proper Motion.	Number in B. A. C.
		s	s	s	"	"	"	
981	Lacaille 8958 ...	+ 3·8268	− 0·0128	...	− 16·785	− 0·299	...	...
982	... ...	+ 3·7576	− 0·0383	...	− 16·803	− 0·292	...	...
983	Taylor 10100 ...	+ 4·1499	− 0·0695	...	− 16·969	− 0·316	...	7645
984	... .	+ 3·8177	− 0·0141	...	− 17·046	− 0·296	...	...
985	... .	+ 4·3237	− 0·0872	...	− 17·102	− 0·323	...	...
986	κ² Indi	+ 4·2758	− 0·0845	...	− 17·206	− 0·314	...	7669
987	... ...	+ 3·7743	− 0·0430	...	− 17·292	− 0·272	...	...
988	34 Aquarii α	+ 3·0835	− 0·0041	− 0·003	− 17·318	− 0·210	+ 0·02	7688
989	α Gruis	+ 3·8061	− 0·0457	+ 0·011	− 17·356	− 0·270	+ 0·15	7692
990	... ...	+ 3·2004	− 0·0093	...	− 17·514	− 0·219	...	...
991	... .	+ 3·1977	− 0·0092	...	− 17·602	− 0·216	...	...
992	W. B. E. XXII. 98...	+ 3·0768	− 0·0037	...	− 17·642	− 0·206	...	...
993	... ...	+ 4·0093	− 0·0681	...	− 17·756	− 0·264	...	...
994	43 Aquarii θ	+ 3·1640	− 0·0075	+ 0·006	− 17·777	− 0·205	+ 0·03	7773
995	... .	+ 4·1457	− 0·0843	...	− 17·890	− 0·265	...	...
996	... ...	+ 3·9786	− 0·0677	...	− 17·917	− 0·253	...	...
997	... ...	+ 2·9975	0·0000	...	− 18·002	− 0·185	...	...
998	... .	+ 2·9971	+ 0·0001	...	− 18·027	− 0·184	...	...
999	... ...	+ 3·6731	− 0·0422	...	− 18·060	− 0·225	...	...
1000	.. ..	+ 3·7710	− 0·0516	...	− 18·136	− 0·227	...	...
1001	55 Aquarii ζ 1st...	+ 3·0790	− 0·0033	+ 0·009	− 18·245	− 0·178	− 0·03	7832
1002	55 Aquarii ζ 2nd..	+ 3·0790	− 0·0033	+ 0·009	− 18·245	− 0·178	− 0·03	7832
1003	... ...	+ 3·1762	− 0·0085	...	− 18·246	− 0·189	...	...
1004	57 Aquarii σ... ...	+ 3·1820	− 0·0088	− 0·004	− 18·303	− 0·182	− 0·05	7840
1005	R. P. L. 150 ...	+ 3·7544	− 1·1741	+ 0·048	− 18·306	+ 0·232	− 0·05	7851
1006	... ...	+ 3·6273	− 0·0412	...	− 18·334	− 0·206	...	...
1007	... .	+ 3·7428	− 0·0527	...	− 18·380	− 0·210	...	...
1008	62 Aquarii η	+ 3·0794	− 0·0031	+ 0·003	− 18·475	− 0·166	+ 0·06	7868
1009	T Aquarii Var. 3 ...	+ 3·1477	− 0·0072	...	− 18·488	− 0·170	...	...
1010	Lacaille 9188 ...	+ 3·5102	− 0·0333	...	− 18·527	− 0·188	...	...
1011	Taylor 10477 ..	+ 3·8759	− 0·0708	...	− 18·601	− 0·203	...	7889
1012	... .	+ 4·1450	− 0·1067	...	− 18·668	− 0·213	...	..
1013	42 Pegasi ζ	+ 2·9853	+ 0·0023	+ 0·001	− 18·683	− 0·149	0·00	7906
1014	.. .. .	+ 3·4779	− 0·0327	...	− 18·741	− 0·173	...	...
1015	Lacaille 9226	+ 3·7026	− 0·0622	...	− 18·776	− 0·185	...	

989.—Proper motions from "*Stone's Cape Catalogue.*"

Mean Positions of Stars for 1865 January 1st.

Number.	Star.	Magnitude.	Estimations.	Mean Right Ascension.			Mean Polar Distance.			Observations.	Fraction of Year.
				h	m	s	°	′	″		
1016	... ...	8·9	1	22	40	55·86	142	37	44·4	1	0·78
1017	... ...	8·3	3	22	44	45·02	130	0	58·7	3	0·75
1018	... ...	9·6	2	22	44	47·72	145	32	44·2	2	0·78
1019	... ...	9·0	1	22	44	54·19	148	34	13·9	1	0·73
1020	... ...	9·0	1	22	49	16·76	135	27	35·6	1	0·75
1021	24 Pis. Aust. α (*Fomalhaut*)	1·3	...	22	50	11·14	120	20	13·9	3	0·82
1022	... ...	8·1	2	22	50	22·79	110	59	45·2	2	0·84
1023	... ...	9·3	2	22	51	29·93	151	32	58·1	2	0·76
1024	Lacaille 9353	5·6	...	22	56	39·79	144	41	18·1	2	0·76
1025	54 Pegasi α (*Markab*) ...	2·6	...	22	58	2·22	75	31	15·3	12	0·77
1026	... ...	8·6	2	22	59	23·90	150	21	47·3	2	0·82
1027	R Pegasi Var. 2	10·2	3	22	59	52·23	80	11	8·3	3	0·76
1028	... ...	9·6	2	23	4	21·88	130	48	57·5	2	0·77
1029	Lacaille 9394	8·0	2	23	5	13·49	145	50	20·2	2	0·81
1030	Lacaille 9405	8·0	2	23	7	30·10	150	25	45·9	2	0·80
1031	... ...	8·8	1	23	8	11·74	150	30	59·3	1	0·87
1032	Lacaille 9423	7·0	1	23	9	58·87	151	44	15·2	1	0·87
1033	6 Piscium γ	3·8	...	23	10	9·96	87	27	17·7	12	0·78
1034	... ...	9·8	2	23	11	9·47	127	25	15·5	2	0·80
1035	... ...	9·6	2	23	12	16·51	127	21	32·9	2	0·80
1036	... ...	8·0	2	23	15	20·50	130	45	56·2	2	0·80
1037	Taylor 10748	5·7	1	23	17	36·28	147	35	25·4	1	0·87
1038	8 Piscium κ	5·0	...	23	20	0·69	89	28	59·9	13	0·79
1039	... ...	7·0	2	23	20	48·61	88	51	22·1	2	0·87
1040	... ...	9·6	1	23	21	6·58	137	27	25·8	1	0·82
1041	... ...	8·5	2	23	23	40·81	148	57	16·2	2	0·75
1042	... ...	9·6	1	23	25	32·02	129	51	40·3	1	0·87
1043	Taylor 10804	6·9	1	23	27	33·03	147	34	17·0	1	0·86
1044	... ...	8·7	2	23	27	49·24	148	14	27·2	2	0·75
1045	... ...	8·5	3	23	29	53·13	148	54	30·1	3	0·77
1046	... ...	9·1	1	23	29	57·86	137	19	46·3	1	0·87
1047	... ...	8·8	2	23	30	28·20	148	56	22·7	2	0·77
1048	17 Piscium ι	4·3	...	23	33	0·38	85	6	19·1	11	0·78
1049	Lacaille 9583	8·7	...	23	38	53·88	128	43	33·1	1	0·79
1050	19 Piscium	5·2	...	23	39	29·55	87	15	43·6	2	0·68

1027.—R Pegasi Var. 2.—Period 382 days. Range, 7th to 13th magnitude.

Observed with the Madras Meridian Circle in that Year.

Number.	Star.	In Right Ascension.			In Polar Distance.			Number in B. A. C.
		Annual Precession	Secular Variation.	Proper Motion.	Annual Precession.	Secular Variation.	Proper Motion.	
		s	s	s	"	"	"	
1016	... ...	+ 3·6640	− 0·0534	...	− 18·873	− 0·162	...	...
1017	... ...	+ 3·4341	− 0·0317	...	− 18·984	− 0·154	...	...
1018	... ...	+ 3·7001	− 0·0604	...	− 18·984	− 0·166	...	...
1019	... ...	+ 3·7762	− 0·0697	...	− 18·989	− 0·169	...	...
1020	... ...	+ 3·4847	− 0·0388	...	− 19·107	− 0·147	...	...
1021	24 Pis. Aust. α (Fom.)	+ 3·3067	− 0·0210	+ 0·022	− 19·132	− 0·135	+ 0·18	7992
1022	... ...	+ 3·2256	− 0·0140	...	− 19·137	− 0·133	...	...
1023	... ...	+ 3·7987	− 0·0796	...	− 19·165	− 0·155	...	...
1024	Lacaille 9353 ..	+ 3·5872	− 0·0559	...	− 19·294	− 0·135	...	8029
1025	54 Pegasi α (Markab)	+ 2·9798	+ 0·0056	+ 0·003	− 19·326	− 0·107	+ 0·02	8034
1026	... ...	+ 3·6863	− 0·0728	...	− 19·358	− 0·133	...	...
1027	R Pegasi Var. 2 ..	+ 3·0121	+ 0·0034	...	− 19·369	− 0·106	...	...
1028	... .	+ 3·3496	− 0·0305	...	− 19·467	− 0·109	...	...
1029	Lacaille 9394 ..	+ 3·5385	− 0·0571	...	− 19·484	− 0·114	...	...
1030	Lacaille 9405 ...	+ 3·6072	− 0·0703	...	− 19·531	− 0·111	...	...
1031	... .	+ 3·6021	− 0·0704	...	− 19·545	− 0·110	...	...
1032	Lacaille 9423 ..	+ 3·6106	− 0·0743	...	− 19·579	− 0·106	...	8101
1033	6 Piscium γ	+ 3·0591	+ 0·0005	+ 0·017	− 19·583	− 0·087	+ 0·01	8105
1034	... .	+ 3·2885	− 0·0264	...	− 19·601	− 0·093	...	...
1035	... .	+ 3·2836	− 0·0263	...	− 19·622	− 0·087	...	...
1036	... ...	+ 3·2953	− 0·0296	...	− 19·675	− 0·085	...	...
1037	Taylor 10748	+ 3·4594	− 0·0382	...	− 19·713	− 0·085	...	8157
1038	8 Piscium κ	+ 3·0699	0·0000	+ 0·005	− 19·751	− 0·069	+ 0·12	8169
1039	... ...	+ 3·0676	+ 0·0003	...	− 19·762	− 0·068	...	...
1040	... .	+ 3·3182	− 0·0375	...	− 19·766	− 0·074	...	...
1041	... ...	+ 3·4226	− 0·0605	...	− 19·803	− 0·070	...	...
1042	. ...	+ 3·2393	− 0·0275	...	− 19·829	− 0·062	...	...
1043	Taylor 10804 ..	+ 3·3690	− 0·0555	...	− 19·854	− 0·060	...	8208
1044	... .	+ 3·3744	− 0·0572	...	− 19·857	− 0·060	...	...
1045	... .	+ 3·3627	− 0·0583	...	− 19·883	− 0·055	...	.
1046	. ... ..	+ 3·2617	− 0·0360	...	− 19·883	− 0·053	...	...
1047	... .	+ 3·3573	− 0·0583	...	− 19·888	− 0·054	...	.
1048	17 Piscium ι	+ 3·0585	+ 0·0030	+ 0·025	− 19·917	− 0·042	+ 0·45	8233
1049	Lacaille 9583 .	+ 3·1707	− 0·0248	...	− 19·970	− 0·034	...	...
1050	19 Piscium ...	+ 3·0664	+ 0·0021	− 0·004	− 19·975	− 0·031	+ 0·03	8262

Mean Positions of Stars for 1865 January 1st.

Number.	Star.	Magnitude.	Estimations.	Mean Right Ascension.			Mean Polar Distance.			Observations.	Fraction of Year.
				h	m	s	°	′	″		
1051	... ...	9·7	...	23	41	7·84	128	46	20·3	1	0·79
1052	δ Sculptoris	4·6	...	23	41	53·37	118	52	36·9	5	0·82
1053	... ...	8·7	1	23	42	6·82	150	49	37·0	1	0·86
1054	Lalande 46650	9·2	4	23	42	9·12	88	18	54·5	4	0·79
1055	... ...	9·5	1	23	47	46·65	128	50	37·5	1	0·74
1056	... ...	9·1	2	23	50	0·41	148	53	5·1	2	0·78
1057	... ...	8·8	1	23	51	48·58	152	20	18·6	1	0·76
1058	28 Piscium ω	4·2	...	23	52	22·79	83	53	3·3	9	0·79
1059	Lacaille 9686	6·8	...	23	53	35·67	143	50	56·2	1	0·75
1060	... ...	9·3	2	23	56	1·55	130	16	41·6	2	0·79
1061	... ...	8·0	1	23	56	10·82	124	7	26·1	2	0·83
1062	Taylor 10994	8·4	3	23	57	50·51	157	35	41·0	3	0·78
1063	Lacaille 9721	5·7	...	23	59	19·01	139	49	34·1	2	0·75

Observed with the Madras Meridian Circle in that Year.

Number	Star.	In Right Ascension. Annual Precession.	In Right Ascension. Secular Variation.	In Right Ascension. Proper Motion.	In Polar Distance. Annual Precession.	In Polar Distance. Secular Variation.	In Polar Distance. Proper Motion.	Number in B. A. C.
		s	s	s	"	"	"	
1051	.. ..	+ 3·1604	− 0·0244	..	− 19·988	− 0·029	...	...
1052	δ Sculptoris	+ 3·1302	− 0·0161	+ 0·009	− 19·992	− 0·026	+ 0·10	8275
1053	. ... ..	+ 3·2588	− 0·0589	..	− 19·994	− 0·028	...	...
1054	Lalande 46650 ..	+ 3·0690	+ 0·0018	..	− 19·994	− 0·026	...	...
1055	... ...	+ 3·1295	− 0·0237	...	− 20·026	− 0·015	...	...
1056	.. .. ..	+ 3·1687	− 0·0512	..	− 20·036	− 0·011	..	...
1057	. ... ..	+ 3·1633	− 0·0590	...	− 20·042	− 0·008	..	...
1058	28 Piscium ω ..	+ 3·0672	+ 0·0047	+ 0·010	− 20·044	− 0·005	+ 0·13	8331
1059	Lacaille 9686 ..	+ 3·1233	− 0·0407	...	− 20·047	− 0·004	...	...
1060	. . ..	+ 3·0918	− 0·0240	...	− 20·052	+ 0·001	...	...
1061	. .. .	+ 3·0872	− 0·0185	...	− 20·052	+ 0·001	...	...
1062	Taylor 10994 . .	+ 3·0920	− 0·0495	..	− 20·054	+ 0·005	...	..
1063	Lacaille 9721 ..	+ 3·0769	− 0·0336	..	− 20·055	+ 0·008	...	..

1052 — Proper motions from "*Stone's Cape Catalogue.*"

SEPARATE RESULTS

OF

OBSERVATIONS

OF THE FIXED STARS,

MADE WITH THE

MADRAS MERIDIAN CIRCLE

IN THE YEAR

1866.

Separate Results of Madras Meridian Circle Observations in 1866.

Number and Date.	Magnitude.	Mean Right Ascension 1866. h.	m.	s.	No. of Wires.	Mean Polar Distance 1866. °	′	″	Observer.
1		*Taylor* 11010.							
Nov. 12	8·0	0	0	31·89	...	147	34	58·6	R
2		21 *Andromedae α Alpherat.*							
Sep. 22	...	0	1	27·90	...	61	38	58·3	R
Oct. 10	...		1	27·94	...		38	58·5	M
11	...		1	27·85	...		38	59·5	M
27	...		1	27·86	...		38	58·5	R
29	...		1	27·99	...		38	59·3	R
31	...		1	27·85	5		38	58·7	R
Nov. 8	...		1	27·92	...		38	59·3	R
14	...		1	27·94	...		38	59·5	R
3		*Lacaille* 9739.							
Nov. 5	8·0	0	2	10·16	...	130	28	59·1	R
4		*Lacaille* 9757.							
Nov. 6	8·0	0	4	31·16	...	131	7	7·8	R
5		88 *Pegasi γ, Algenib.*							
Oct. 30	...	0	6	20·26	...	75	33	41·3	R
Nov. 3	...		6	20·19	...		33	41·5	R
7	...		6	20·20	...		33	41·9	R
9	...		6	20·23	...		33	41·8	R
10	...		6	20·23	...		33	42·2	R
14	...		6	20·23	...		33	41·9	R
19	...		6	20·22	...		33	39·8	R
6		*Anon.*							
Nov. 6	9·2	0	6	44·46	...	131	6	22·3	R
7		*Lalande* 163.							
Oct. 9	7·7	0	7	44·39	...	89	26	54·2	M
10	7·9		7	44·53	...		26	54·1	M
12	7·4		7	44·63	...		26	54·7	M
8		*Anon.*							
Nov. 5	9·0	0	9	28·63	5	149	31	11·3	R
9		*Anon.*							
Nov. 8	9·9	0	9	39·06	...	153	54	27·9	R
10		*Anon.*							
Oct. 31	9·9	0	10	40·71	...	152	0	11·7	R
Nov. 12	9·2		10	40·51	...		0	13·6	R
11		*Lacaille* 41.							
Sep. 26	8·0	0	12	39·73	...	130	51	23·4	M
Oct. 27	8·2		12	39·65	...		51	23·4	R
12		*Anon.*							
Oct. 30	7·5	0	15	54·62	...	51	59	21·9	R
13		*Lacaille* 61.							
Nov. 3	7·5	0	16	7·58	...	130	0	18·7	R
6	7·0		16	7·56	...		0	19·5	R
14		*Anon.*							
Oct. 27	9·3	0	18	36·98	5	152	56	59·3	R
Nov. 5	9·0		18	36·81	...		56	56·4	R
15		*Lacaille* 81.							
Nov. 6	7·1	0	18	41·20	...	130	0	2·3	R
16		10 *Ceti.*							
Aug. 27	...	0	19	44·90	...	90	47	32·1	M
28	...		19	45·04	...		47	33·2	M
17		12 *Ceti.*							
Oct. 11	...	0	23	11·98	...	94	41	55·1	M
31	...		23	12·00	...		41	54·1	R
Nov. 10	...		23	11·95	...		41	53·6	R
12	...		23	11·98	...		41	53·7	R
14	...		23	11·97	...		41	52·6	R
19	...		23	11·91	...		41	51·4	R
22	...		23	12·08	...		41	51·0	R

Separate Results of Madras Meridian Circle Observations in 1866.

Number and Date.	Magnitude.	Mean Right Ascension 1866. h.	m.	s.	No. of Wires.	Mean Polar Distance 1866. °	′	″	Observer.
18				*Lacaille* 132.					
Oct. 9	8·0	0	27	23·90	5	151	53	16·8	M
12	7·8		27	24·28	...		53	17·3	M
Nov. 5	9·0		27	23·99	...		53	16·3	R
6	8·9		27	23·93	5		53	13·8	R
19				*Anon.*					
Oct. 5	8·5	0	31	32·31	...	82	27	41·6	M
Nov. 3	8·5		31	32·38	...		27	41·1	R
20				*Lalande* 1010.					
Oct. 30	9·5	0	32	21·72	...	82	31	46·8	R
Nov. 7	9·5		32	21·64	...		31	46·5	R
21				18 *Cassiopeae* α *Var.* 2, *Shedir.*					
Nov. 8	...	0	32	55·14	...	34	11	52·9	R
9	...		32	55·19	...		11	53·6	R
22				16 *Ceti* β.					
Oct. 31	...	0	36	51·56	..	108	43	22·6	R
Nov. 10	...		36	51·64	...		43	21·8	R
12	...		36	51·72	...		43	22·5	R
19	...		36	51·66	...		43	19·9	R
Dec. 6	...		36	51·58	...		43	22·8	M
23				*W. B. E.* 0·628.					
Nov. 22	9·3	0	37	0·17	...	93	48	46·3	R
24				*Anon.*					
Nov. 26	9·5	0	39	59·45	5	150	44	13·0	R
25				*W. B. E.* 0·697.					
Oct. 9	9·1	0	40	49·57	...	95	13	51·4	M
12	9·0		40	49·65	...		13	51·1	M
27	9·5		40	49·65	...		13	52·1	R
26				*W. B. E.* 0·705.					
Nov. 3	9·0	0	41	14·28	...	91	26	39·5	R
7	9·0		41	14·36	...		26	40·1	R
27				63 *Piscium* δ					
Sep. 24	...	0	41	44·03	...	83	8	41·0	M
25	...		41	44·01	...		8	41·5	M
Nov. 19	...		41	43·83	4		8	40·0	R
28				*W. B. E.* 0·716.					
Nov. 27	9·5	0	41	47·39	...	94	36	7·8	R
29				20 *Ceti.*					
Aug. 27	5·6	0	46	9·58	..	91	52	22·2	M
30				*Anon.*					
Oct. 25	...	0	47	41·05	6	153	39	41·9	R
Nov. 8	10·0		47	40·94	5		39	39·6	R
22	9·7		47	40·98	5		39	34·8	R
31				λ[1] *Toucani.*					
Nov. 3	6·5	0	48	2·62	...	153	36	0·1	R
32				*Anon.*					
Nov. 9	9·6	0	49	0·15	4	153	49	10·1	R
26	9·5		49	0·52	5		49	7·8	R
33				*Anon.*					
Nov. 7	9·0	0	49	0·60	5	133	46	35·8	R
34				*Lacaille* 264.					
Nov. 27	...	0	50	49·06	6	154	41	26·0	R
35				2 *Ursae Minoris—s.p.*					
May 3	..	0	50	57·66	3	4	27	48·5	M
4	...		50	58·49	3		27	47·4	M
36				*R. P. L.* 14—*s p.*					
Apl. 19	...	0	51	13·83	3	3	34	9·1	R
20	...		51	14·94	3		34	13·0	R

Separate Results of Madras Meridian Circle Observations in 1866.

Number and Date.	Magnitude.	Mean Right Ascension 1866. h.	m.	s.	No. of Wires.	Mean Polar Distance 1866. °	′	″	Observer.
37				*71 Piscium ε*					
Sep. 24	.	0	55	59·39	...	82	49	54·7	M
25	...		55	59·42	...		49	55·2	M
Oct. 10	...		55	59·34	...		49	54·7	M
Nov. 12	...		55	59·41	...		49	55·5	R
22	...		55	59·51	...		49	52·5	R
38				*29 Ceti.*					
Nov. 27	...	1	1	5·11	...	88	42	27·6	R
39				*Anon.*					
Oct. 9	7·9	1	5	50·81	...	129	52	25·1	M
29	9·0		5	51·05	...		52	25·3	R
40				*86 Piscium ζ (1st)*					
Aug. 28	...	1	6	43·79	...	83	8	4·1	M
41				*S Cassiopeae Var. 4*					
Nov. 27	...	1	9	50·73	3	18	5	43·0	R
42				*1 Ursae Minoris α, Polaris.*					
Oct. 25	...	1	9	56·82	3	1	24	19·4	R
Nov. 8	...		9	57·33	1		24	17·6	R
14	...		9	57·98	1		24	17·6	R
26	...		9	57·81	1		24	15·6	R
				1 Ursae Minoris α, Polaris.—s.p.					
Apl. 14	...	1	9	57·24	3	1	24	15·3	M
43				*Anon.*					
Nov. 22	9·2	1	10	14·74	...	81	49	4·0	R
44				*Anon.*					
Aug. 28	...	1	17	6·18	4	96	30	47·4	M
45				*45 Ceti θ¹*					
Nov. 5	.	1	17	19·59	...	98	52	33·4	R
6	..		17	19·50	...		52	34·3	R
26	..		17	19·46	...		52	31·5	R
27	...		17	19·49	...		52	32·3	R
30	...		17	19·52	...		52	34·3	R
Dec. 6	.		17	19·49	...		52	34·5	M
12	...		17	19·61	..		52	32·3	M
46				*Taylor 465.*					
Oct. 10	7·1	1	19	35·95	...	91	5	46·4	M
47				*R Piscium Var. 1.*					
Oct. 29	9·6	1	23	43·46	...	87	45	41·3	R
Nov. 22	8·8		23	43·53	...		48	42·2	R
26	...		23	43·56			48	42·2	R
48				*99 Piscium η*					
Nov. 6	...	1	24	18·93	...	75	20	46·0	R
7	...		24	18·92	...		20	46·3	R
8	...		24	18·91	...		20	45·6	R
27	...		24	18·92	...		20	45·2	R
30	...		24	18·87	...		20	45·3	R
49				*Anon.*					
Dec. 8	7·9	1	29	5·38	4	150	41	58·6	M
50				*Taylor 525.*					
Oct. 30	7·0	1	30	13·54	...	148	49	30·2	R
Dec. 10	6·0		30	13·43	...		49	30·6	M
51				*Anon.*					
Nov. 8	9·0	1	31	28·14	...	130	51	40·5	R
52				*α Eridani, Achernar.*					
Nov. 7	...	1	33	43·21	...	147	55	7·8	R
26	...		33	43·29	...		55	5·0	R

Separate Results of Madras Meridian Circle Observations in 1866.

Number and Date.	Magnitude.	Mean Right Ascension 1866. h. m. s.	No. of Wires.	Mean Polar Distance 1866. ° ′ ″	Observer.
53		106 *Piscium* ν			
Aug 28	...	1 34 27·53	...	85 11 30·6	M
Oct. 25	...	34 27·43	...	11 30·8	M
Nov. 6	..	34 27·57	...	11 30·1	R
9	...	34 27·56	...	11 30·5	R
22	...	34 27·56	...	11 26·8	R
27	...	34 27·54	...	11 29·4	R
28	...	34 27·62	...	11 30·0	R
30	...	34 27·54	...	11 30·0	R
Dec. 6	...	34 27·56	...	11 30·5	M
54		110 *Piscium* ο			
Sep. 25	...	1 38 19·25	...	81 31 4·0	M
26	.	38 19·16	...	31 3·2	M
55		*Anon.*			
Oct. 30	9·0	1 39 57·76	..	149 26 43·5	R
56		*Lacaille* 516.			
Oct. 31	...	1 40 2·31	...	151 41 30·5	R
Nov. 26	8·0	40 2·24	..	41 26·9	R
57		*Anon.*			
Oct. 29	9·5	1 42 2·03	...	130 14 38·6	R
Nov. 10	9·3	42 1·99	.	14 37·4	R
22	9·2	42 2·05	...	14 34·8	R
58		6 *Arietis* β			
Nov. 3	...	1 47 14·54	...	69 50 55·5	R
6	...	47 14·43	...	50 55·4	R
7	...	47 14·53	..	50 55·1	R
9	...	47 14·46	...	50 55·2	R
28	...	47 14·53	...	50 54·1	R
Dec. 12	...	47 14·63	...	50 55·8	M
59		*V Piscium Var.* 5.			
Oct. 25	7·8	1 47 17·96	...	81 52 49·5	R
27	7·7	47 17·72	5	52 47·6	R
Dec. 6	7·7	47 17·90	...	52 47·9	M
8	7·2	47 17·84	...	52 47·2	M
10	7·6	47 17·87	.	52 46·0	M
60		*Anon.*			
Oct. 30	9·3	1 48 36·98	...	150 4 37·7	R
61		*Lacaille* 593.			
Oct. 29	9·2	1 52 6·70	...	149 7 40·1	R
62		*Anon.*			
Oct. 27	9·0	1 54 57·51	...	130 55 5·7	R
30	8·5	54 57·67	5	55 5·9	R
63		*Taylor* 673.			
Oct. 31	7·5	1 56 21·89	6	72 23 31·8	R
Nov. 10	7·0	56 21·88	...	23 31·5	R
64		13 *Arietis* α			
Oct. 25	...	1 59 37·49	...	67 10 23·6	R
Nov. 7	...	59 37·43	...	10 24·0	R
13	...	59 37·38	...	10 22·5	R
26	...	59 37·46	...	10 20·1	R
28	...	59 37·34	...	10 22·6	R
Dec. 8	...	59 37·45	...	10 23·1	M
10	...	59 37·39	...	10 22·4	M
12	...	59 37·30	...	10 23·0	M
17	...	59 37·47	...	10 23·6	R
65		*Anon.*			
Nov. 23	9·5	2 1 7·28	...	140 49 28·4	R
66		*Anon.*			
Oct. 29	9·5	2 2 0·14	...	130 1 55·3	R
67		17 *Arietis* η			
Oct. 24	...	2 5 18·46	6	69 25 14·0	M
68		65 *Ceti* ξ^1			
Sep. 25	...	2 5 54·06	...	81 46 59·6	M
Dec. 17	...	5 53·99	...	47 0·5	R
18	.	5 54·06	...	47 1·3	R

Separate Results of Madras Meridian Circle Observations in 1866.

Number and Date.	Magnitude.	Mean Right Ascension 1866. h.	m.	s.	No. of Wires.	Mean Polar Distance 1866. °	′	″	Observer.
69			*Anon.*						
Oct. 30	9·5	2	7	2·81	...	148	38	55·3	R
70			*67 Ceti.*						
Oct. 25	...	2	10	18·09	5	97	2	30·0	R
29	...		10	17·93	...		2	29·6	R
Nov. 13	..		10	18·06	...		2	27·9	R
Dec. 8	...		10	18·01	...		2	28·5	M
10	...		10	18·01	3		2	29·1	M
18	...		10	18·08	5		2	29·9	R
71			*68 Ceti o, Var. 1, Mira.*						
Oct. 27	9·8	2	12	31·81	5	93	35	17·3	R
31	10·0		12	31·82	5		35	16·7	R
Dec. 17	...		12	31·74	...		35	17·9	R
72			*Anon.*						
Dec. 12	8·4	2	12	42·41	...	93	35	3·8	M
73			*Anon.*						
Oct. 30	9·0	2	15	42·84	...	152	33	38·5	R
74			*Anon.*						
Nov. 3	8·2	2	16	26·78	5	151	17	48·4	R
Dec. 13	7·9		16	26·90	6		17	50·6	M
75			*Anon.*						
Nov. 10	..	2	20	14·56	5	146	32	10·1	R
Dec. 8	8·0		20	14·51	5		32	10·1	M
76			*73 Ceti. ξ²*						
Oct. 24	...	2	21	2·12	...	82	8	32·5	M
25	...		21	2·17	...		8	33·2	R
Nov. 13	...		21	2·20	...		8	31·8	R
Dec. 10	...		21	2·25			8	31·8	M
17	...		21	2·30	5		8	32·4	R
18	...		21	2·29	...		8	33·1	R
77			*Anon.*						
Nov. 3	9·5	2	24	18·21	...	152	35	7·1	R
8	9·5		24	18·23	...		35	6·5	R
78			*Anon.*						
Oct. 30	9·0	2	24	31·84	...	147	2	13·4	R
79			*Anon.*						
Dec. 6	7·9	2	27	28·97	4	147	11	43·5	M
80			*Anon.*						
Nov. 13	9·5	2	30	49·02	..	147	31	23·7	R
81			*Anon.*						
Dec. 18	9·3	2	31	19·08	...	151	38	53·4	R
82			*Anon.*						
Nov. 3	9·5	2	34	5·56	...	74	56	2·1	R
6	9·3		34	5·62	...		56	3·3	R
83			*Lacaille 849 (1st).*						
Nov. 8	8·0	2	36	3·50	...	150	8	39·0	R
84			*Lacaille 849 (2nd).*						
Jan. 5	8·3	2	36	8·71	...	150	8	42·3	M
Dec. 8	7·9		36	8·65	...		8	41·5	M
85			*86 Ceti γ.*						
Dec. 12	...	2	36	21·38	5	87	19	51·7	M
13	...		36	21·30	..		19	51·7	M
86			*μ Ceti.*						
Sep. 26	...	2	37	41·97	...	80	27	13·3	M
Dec. 17	...		37	42·13	...		27	13·6	R

Separate Results of Madras Meridian Circle Observations in 1866.

Number and Date.	Magnitude.	Mean Right Ascension 1866. h. m. s.	No. of Wires.	Mean Polar Distance 1866. ° ' "	Observer.
87		*Lacaille* 868.			
Nov. 13	8·9	2 38 36·29	..	147 12 40·3	R
88		*W. B. N. II.* 676.			
Nov. 10	8·0	2 40 13·99	..	75 19 53·3	R
89		*Anon.*			
Jan. 6	9·4	2 41 45·55	...	151 2 11·3	M
90		*Anon.*			
Jan. 4	7·9	2 43 21·24	6	148 0 6·3	M
91		*Anon.*			
Nov. 3	9·2	2 44 32·16	5	148 13 19·2	R
8	9·3	44 32·43	...	13 19·2	R
Dec. 8	8·0	44 32·28	6	13 20·4	M
92		*Anon.*			
Dec. 17	9·2	2 45 22·20	..	76 27 25·2	R
93		*Lacaille* 941.			
Nov. 8	...	2 50 29·86	...	146 25 35·0	R
94		*Anon.*			
Jan. 6	8·0	2 52 25·08	..	150 16 38·6	M
95		91 *Ceti* λ			
Sep. 26	...	2 53 32·07	...	81 37 42·6	M
96		*Anon.*			
Nov. 27	9·2	2 53 19·81	5	146 43 57·8	R
97		*Lacaille* 969.			
Dec. 17	8·0	2 54 57·00	..	141 13 28·7	R
98		92 *Ceti* α, *Menkar.*			
Dec. 10	...	2 55 16·51	3	86 26 17·1	M
13	...	55 16·69	5	26 18·1	M
99		25 *Persei* ρ *Var.* 2.			
Nov. 13	..	2 56 35·82	..	51 40 53·8	R
100		*Taylor* 1037.			
Dec. 8	7·0	2 56 56·91	...	150 21 7·8	M
12	7·0	56 56·77	...	21 6·4	M
101		*Anon.*			
Jan. 8	..	2 59 54·15	...	151 19 22·6	M
Nov. 27	8·0	59 53·96	5	19 21·7	R
102		57 *Arietis* δ.			
Dec. 13	...	3 3 58·21	...	70 46 58·1	M
17	...	3 58·12	...	46 58·5	R
18	...	3 58·14	...	46 58·5	R
19	...	3 58·19	4	46 57·5	R
103		*Taylor* 1081.			
Jan. 10	7·6	3 5 15·21	5	151 39 49·8	R
11	7·6	5 15·57	4	39 48·9	M
104		*Taylor* 1092.			
Nov. 13	7·0	3 7 18·42	...	148 19 1·7	R
27	7·3	7 18·35	5	18 58·9	R
105		*Anon.*			
Dec. 7	8·0	3 10 22·60	...	131 43 41·4	M
18	8·7	10 22·60	5	43 41·4	R
106		*Taylor* 1127.			
Dec. 18	8·4	3 11 51·76	5	131 45 53·9	R
107		*Anon.*			
Oct. 21	8·5	3 12 27·91	.	130 57 46·0	M

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Number and Date.	Magnitude.	Mean Right Ascension 1866. h. m. s.	No. of Wires.	Mean Polar Distance 1866. ° ′ ″	Observer.
108		*Anon.*			
Jan. 5	8·2	3 12 45·64	...	130 49 48·5	M
12	8·4	12 45·70	5	49 49·7	M
109		33 *Persei* α.			
Dec 13	...	3 14 46·08	5	40 37 7·6	M
110		*Anon.*			
Nov. 13	...	3 14 53·75	5	150 5 53·7	R
Dec. 17	9·5	14 53·92	5	5 53·3	R
111		ζ[2] *Reticuli.*			
Nov. 27	...	3 15 18·58	5	153 1 7·3	R
112		*Anon.*			
Jan. 15	7·3	3 20 37·21	...	149 28 5·3	M
Dec. 7	7·0	20 36·93	6	28 6·8	R
113		*Anon.*			
Nov. 27	9·5	3 20 47·00	5	54 47 20·9	M
114		*R Persei Var.* 3.			
Dec. 22	9·7	3 21 31·83	6	54 47 35·8	R
115		*R. P. L.* 34.—*s.p.*			
May 1	...	3 22 52·92	2	3 46 53·9	R
8	...	22 52·14	3	46 54·2	R
116		5 *Tauri f*			
Oct. 24	...	3 23 28·54	...	77 31 30·0	M
25	...	23 28·55	...	31 31·3	R
117		*Lacaille* 1143.			
Jan. 5	5·7	3 27 3·08	5	153 24 20·7	M
118		*Lacaille* 1149.			
Jan. 6	7·0	3 28 40·12	...	150 18 41·8	M
8	...	28 39·95	...	18 43·3	M
Nov. 27	8·0	28 39·94	5	18 40·7	R
Dec. 18	8·0	28 39·99	...	18 43·8	R
119		*Anon.*			
Dec. 7	6·8	3 30 15·71	...	151 50 36·1	M
22	7·0	30 15·89	5	50 36·3	R
120		*Lacaille* 1159.			
Jan. 15	6·5	3 30 18·78	5	151 28 12·0	M
121		*Lacaille* 1192.			
Nov. 26	9·0	3 35 1·42	...	147 43 21·1	R
122		*Anon.*			
Jan. 10	9·0	3 35 22·05	...	150 12 53·6	M
11	8·8	35 22·24	...	12 54·5	M
123		*Taylor* 1256.			
Jan. 5	7·9	3 35 29·64	5	150 12 52·0	M
124		*Lacaille* 1200.			
Oct. 24	6·9	3 36 27·19	...	146 40 8·7	M
125		*Anon.*			
Jan 6	9·0	3 38 9·02	...	136 12 29·7	M
Dec. 8	9·0	38 9·06	...	12 31·6	M
126		*Anon.*			
Nov. 27	8·0	3 39 27·28	...	66 30 8·1	R
127		25 *Tauri* η, *Alcyone.*			
Dec. 7	...	3 39 31·27	...	66 18 44·1	M
18	...	39 31·26		18 44·2	R
22	...	39 31·32	...	18 43·4	R

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Number and Date	Magnitude	Mean Right Ascension 1866. h.	m.	s.	No. of Wires	Mean Polar Distance 1866. °	′	″	Observer.
128		*Anon.*							
Jan. 5	8·6	3	45	18·58	..	76	27	23·9	M
129		*Anon.*							
Jan. 8	8·0	3	46	35·09	4	146	33	17·2	M
130		*Anon.*							
Jan. 6	7·7	3	48	5·98	4	150	49	51·2	M
10	8·0		48	6·03	...		49	55·7	M
11	8·0		48	5·80	...		49	51·7	M
131		*34 Eridani* γ^1							
Jan. 12	...	3	51	46·73	...	103	53	30·9	M
Nov. 26	...		51	46·73	...		53	28·7	R
Dec. 7	...		51	46·73	...		53	30·9	M
8	...		51	46·64	...		53	30·6	M
132		*Anon.*							
Nov. 27	9·9	3	53	9·30	...	128	25	1·1	R
133		35 *Tauri* λ *Var.* 1.							
Oct. 21	...	3	53	15·42	...	77	53	27·2	M
25	...		53	15·45	...		53	28·1	R
134		*Lacaille* 1327.							
Dec. 10	6·0	3	54	20·29	.	153	51	8·8	M
135		*R. P. L.* 35.							
Dec. 6	...	3	55	27·24	2	4	48	12·9	M
23	...		55	27·29	3		48	13·7	R
		R. P. L. 35—*s.p.*							
May 26		3	55	26·20	3	4	48	12·1	R
136		*Lacaille* 1347.							
Jan. 6	7·1	3	58	9·32	...	149	2	15·5	M
137		*Lalande* 7581.							
Jan. 5	8·0	3	58	20·57	...	74	52	0·8	M
8	8·0		58	20·52	...		52	1·3	M
138		*Lacaille* 1359.							
Jan. 15	7·9	4	0	3·62	...	147	49	46·8	M
139		*Lacaille* 1375.							
Jan. 13		4	2	57·10	...	148	50	28·8	R
140		*Lalande* 7764.							
Dec. 7	7·9	4	3	35·03	...	74	43	32·6	M
141		38 *Eridani* o^1							
Jan. 4	...	4	5	19·59	...	97	11	21·1	M
10	...		5	19·52	...		11	22·0	M
11	...		5	19·46	...		11	21·7	M
Nov. 26	...		5	19·43	...		11	19·7	R
Dec. 8	...		5	19·45	...		11	22·5	M
142		*Anon.*							
Jan. 5	8·0	4	9	20·91	...	140	30	51·0	M
6	8·0		9	20·90	...		30	51·5	M
15	7·7		9	20·89	...		30	53·4	M
143		*Anon.*							
Jan. 8	8·1	4	9	50·72	...	120	18	33·2	M
16	9·0		9	50·81	...		18	33·9	R
144		*Lacaille* 1425.							
Nov. 27	6·2	4	13	2·82	...	152	31	45·8	R
145		*Anon.*							
Dec. 10	8·9	4	13	54·76	...	70	51	13·1	M
146		*U Tauri Var.* 7.							
Jan. 19	10·0	4	14	0·70	...	70	30	23·3	R
Dec. 22	10·0		14	0·66	...		30	23·3	R

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Number and Date.	Magnitude.	Mean Right Ascension 1866. h.	m.	s.	No. of Wires.	Mean Polar Distance 1866. °	′	″	Observer.
147		*61 Tauri δ¹*							
Nov. 22	...	4	15	12·56	5	72	46	26·5	R
148		*Anon.*							
Jan. 13	...	4	15	44·32	...	128	39	33·4	R
149		*Anon.*							
Jan. 11	8·0	4	16	48·11	...	149	4	8·9	M
150		*74 Tauri ε*							
Jan. 6	...	4	20	47·69	...	71	7	11·6	M
10	...		20	47·67	...		7	11·5	M
12	...		20	47·72	...		7	11·2	M
20	...		20	47·61	...		7	12·9	R
26	...		20	47·64	5		7	13·5	R
Dec. 7	...		20	47·61	..		7	12·3	M
20	...		20	47·68	...		7	10·5	R
22	...		20	47·61	...		7	12·2	R
151		*R Tauri Var. 2.*							
Jan. 16	9·3	4	20	57·31	4	80	8	22·3	M
18	9·3		20	57·27	...		8	22·5	R
152		*Anon.*							
Jan. 19	10·2	4	22	8·78	5	80	27	46·8	R
153		*Anon.*							
Jan. 17	10·2	4	22	28·55	5	80	20	50·1	R
154		*Lacaille* 1519·							
Jan. 15	7·0	4	25	37·01	...	153	5	51·5	M
155		*Lacaille* 1520.							
Jan 24	8·6	4	26	43·66	...	147	28	41·9	R
156		*87 Tauri α, Aldebaran.*							
Jan. 5	...	4	28	13·96	...	73	45	47·2	M
10	...		28	14·01	...		45	48·2	M
11	...		28	13·98	...		45	46·6	M
12	...		28	14·01	...		45	48·1	M
13	...		28	14·00	...		45	47·1	R
26	...		28	13·19	...		45	49·5	R
Dec. 7	...		28	13·99	...		45	48·4	M
20	...		28	14·00	...		45	46·3	R
157		*Anon.*							
Jan. 23	8·2	4	28	30·89	...	140	14	2·3	R
158		*Anon.*							
Jan. 16	9·1	4	31	45·76	...	142	59	20·4	M
159		*Anon.*							
Jan. 18	9·7	4	33	0·90	...	130	47	58·2	R
25	9·5		33	1·01	...		47	59·2	R
160		*Anon.*							
Dec. 17	8·5	4	33	41·76	5	67	31	51·3	R
161		*Anon.*							
Jan. 5	9·0	4	33	55·66	5	130	51	27·4	M
162		*Anon.*							
Jan. 15	8·7	4	34	32·60	5	144	55	30·0	M
163		*95 Tauri.*							
Jan. 22	7·0	4	35	7·14	...	66	10	6·6	R
Dec. 10	7·4		35	7·01	...		10	5·8	M
164		*Lacaille* 1567.							
Jan. 8	5·6	4	35	12·58	...	152	30	33·3	M
165		*Lacaille* 1566.							
Jan. 24	7·3	4	35	48·04	...	148	28	9·4	R

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Number and Date.	Magnitude.	Mean Right Ascension 1866. h.	m.	s.	No. of Wires.	Mean Polar Distance 1866. °	′	″	Observer.
166			*Anon.*						
Jan. 23	9·7	4	36	26·88	...	64	19	0·9	R
167			*Lacaille* 1582.						
Jan. 6	7·6	4	37	20·19	...	152	38	29·2	M
17	7·2		37	20·37	5		38	28·8	R
19	7·8		37	20·06	..		38	27·7	R
168			*Anon.*						
Jan. 10	9·3	4	39	34·52	...	128	56	48·6	M
169			*Anon.*						
Jan. 16	8·9	4	40	21·05	...	151	20	41·8	R
170			*Lacaille* 1598.						
Jan. 18	7·6	4	41	41·56	..	128	21	22·9	R
22	7·8		41	41·73	5		21	25·4	R
25	7·9		41	41·60	...		21	24·7	R
171			*κ Doradûs.*						
Jan. 24	6·5	4	42	20·44	...	149	58	46·3	R
172			*Anon.*						
Jan. 17	9·7	4	43	24·81	...	130	41	0·4	R
23	9·3		43	24·67	...		41	0·0	R
173			*Anon.*						
Jan. 19	9·7	4	45	33·92	...	129	24	49·9	R
174			*Anon.*						
Jan. 15	7·7	4	45	57·41	...	153	3	51·4	M
175			*Lacaille* 1656.						
Jan. 8	7·9	4	47	58·06	4	149	1	48·1	M
Feb. 6	7·5		47	57·89	..		1	49·3	M
176			3 *Aurigae ι.*						
Jan. 4	...	4	48	16·47	..	57	2	57·6	M
5	...		48	16·18	...		2	58·0	M
6	...		48	16·33	...		2	58·3	M
12	...		48	16·09	..		2	59·2	M
27	...		48	16·18	...		2	59·6	R
177			*Taylor* 1761.						
Jan. 17	7·8	4	50	3·81	4	129	18	29·2	R
Feb. 5	8·0		50	3·65	4		18	26·0	M
Dec. 10	6·9		50	3·51	...		18	27·5	M
178			*Anon.*						
Jan. 16	10·5	4	51	32·73	4	82	8	36·3	R
18	10·7		51	32·89	3		8	32·5	R
179			7 *Aurigae ε Var.* 1.						
Jan. 23	3·5	4	52	21·42	...	46	22	41·8	R
24	3·0		52	21·33	...		22	45·3	R
Dec. 17	4·0		52	21·35	5		22	44·5	R
180			*R Leporis Var.* 1.						
Jan. 25	8·2	4	53	30·45	...	105	0	38·1	R
26	8·6		53	30·42	...		0	37·9	R
30	8·5		53	30·41	...		0	38·2	R
181			*Anon.*						
Jan. 15	8·0	4	53	51·01	3	153	0	35·3	M
19	8·5		53	50·74	...		0	32·6	R
Dec. 8	7·8		53	50·71	..		0	35·8	M
182			*Taylor* 1797.						
Dec. 7	6·9	4	54	53·12	...	148	16	46·9	M
183			*Anon.*						
Jan. 17	9·3	4	56	0·56	5	130	17	31·8	R
184			*Lacaille* 1697.						
Feb. 8	7·7	4	56	55·18	...	129	6	59·2	M

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Number and Date.	Magnitude.	Mean Right Ascension 1866. h.	m.	s.	No. of Wires.	Mean Polar Distance 1866. °	′	″	Observer.
185		*Taylor* 1811.							
Dec. 18	5·5	4	57	6·90	...	129	51	51·8	R
186		2 *Leporis* ε							
Jan. 6	...	4	59	47·25	...	112	33	12·2	M
8	...		59	47·36	...		33	12·9	M
26	...		59	47·45	...		33	12·6	R
27	...		59	47·45	...		33	12·7	R
Feb. 1	...		59	47·42	...		33	11·9	R
6	...		59	47·30	...		33	12·7	M
Dec. 22	...		59	47·34	...		33	12·8	R
187		*Anon.*							
Jan. 19	9·0	5	0	3·52	...	135	23	41·4	R
24	8·8		0	3·42	6		23	45·0	R
Feb. 7	8·0		0	3·54	...		23	45·1	M
188		*Anon.*							
Jan. 17	9·7	5	1	45·81	5	151	35	59·9	R
23	9·7		1	45·74	5		35	59·6	R
189		*Lacaille* 1756.							
Jan. 18	8·0	5	4	0·46	5	154	43	33·0	R
30	8·5		4	0·22	...		43	33·4	R
190		*Anon.*							
Jan. 23	9·6	5	4	27·84	...	135	34	30·2	R
191		*Lacaille* 1757.							
Jan. 29	8·2	5	4	54·14	...	150	3	12·2	R
Feb. 3	7·7		4	54·27	...		3	12·7	M
192		13 *Aurigae* α, *Capella.*							
Jan. 26	...	5	6	47·52	...	44	8	32·5	R
27	...		6	47·60	...		8	33·4	R
193		*Anon.*							
Jan. 19	9·0	5	6	56·03	...	129	5	53·3	R
Feb. 8	8·0		6	56·17	...		5	54·1	M
194		19 *Orionis* β, *Rigel.*							
Jan. 8	...	5	8	5·81	...	98	21	32·4	M
13	...		8	5·96	...		21	34·7	R
Dec. 19	...		8	5·99	...		21	33·4	R
195		*Anon.*							
Jan. 16	9·8	5	11	0·04	...	129	48	23·9	R
17	9·8		10	59·88	...		48	22·1	R
23	9·5		10	59·93	...		48	23·1	R
Feb. 10	9·0		10	59·82	5		48	23·8	M
196		*Anon.*							
Jan. 22	9·7	5	12	1·33	...	129	46	39·9	R
23	9·5		12	1·39	4		46	39·7	R
24	9·7		12	1·30	...		46	42·4	R
197		*Anon.*							
Jan. 18	9·7	5	12	58·92	...	137	4	37·7	R
19	9·2		12	58·91	...		4	37·5	R
198		*Anon.*							
Jan. 29	8·7	5	13	26·44	4	153	41	35·6	R
Feb. 5	8·0		13	26·73	...		41	34·2	M
199		*Anon.*							
Jan. 27	8·2	5	14	51·55	...	153	29	13·0	R
Feb. 12	8·0		14	51·33	5		29	11·0	M
200		*Lacaille* 1822.							
Jan. 30	8·0	5	15	45·73	...	141	43	6·5	R
201		*Anon.*							
Jan. 26	8·0	5	17	26·96	...	133	7	14·4	R

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202		*112 Tauri β*							
Jan. 8	...	5	17	49·40	...	61	30	31·9	M
11	...		17	49·46	...		30	33·9	M
15	...		17	49·51	...		30	31·2	M
16	...		17	49·32	...		30	35·0	R
17	...		17	49·34	...		30	35·3	R
20	...		17	49·36	...		30	34·6	R
25	...		17	49·32	...		30	34·3	R
Feb. 1	...		17	49·31	...		30	33·6	R
Dec. 19	...		17	49·29	5		30	34·5	R
203		*R. P. L. 40—s.p.*							
June 25	...	5	19	21·52	5	4	52	50·8	R
204		*Lacaille* 1854.							
Jan. 18	8·9	5	21	42·03	...	137	12	45·9	R
205		*Anon.*							
Jan. 19	10·3	5	21	50·13	5	59	40	53·6	R
206		*Anon.*							
Jan. 23	7·0	5	22	36·02	6	152	42	0·9	R
207		*Anon.*							
Jan. 22	7·7	5	23	31·57	...	151	13	20·9	R
Feb. 7	7·6		23	31·53	5		13	20·8	M
208		*λ Doradûs.*							
Jan. 30	6·0	5	24	22·00	...	149	1	36·1	R
209		*34 Orionis δ Var.* 1.							
Jan. 11	...	5	25	9·72	...	90	24	3·9	M
13	...		25	9·67	...		24	6·4	M
15	...		25	9·68	...		24	6·5	M
16	...		25	9·73	...		24	6·7	M
17	...		25	9·73	...		24	6·1	R
24	...		25	9·73	...		24	5·0	R
Feb. 1	...		25	9·60			24	4·4	R
210		*Anon.*							
Feb. 5	8·8	5	25	15·55	...	130	35	15·9	M
16	8·3		25	15·59	...		35	16·2	M
211		*Anon.*							
Jan. 29	8·9	5	25	35·87	...	155	51	13·4	R
212		*11 Leporis α*							
Jan. 6	...	5	26	49·14	...	107	55	14·6	M
20	...		26	49·30	...		55	15·4	R
23	...		26	49·26	6		55	14·9	R
Feb. 14	...		26	49·18	...		55	15·2	M
213		*Taylor* 2057.							
Feb. 15	7·1	5	28	2·63	...	151	55	34·1	M
214		*Lalande* 10532.							
Jan. 22	8·3	5	29	16·29	...	78	15	8·3	R
24	9·0		29	16·15	...		15	7·9	R
Feb. 3	8·0		29	16·28	...		15	6·5	M
215		*46 Orionis ε*							
Jan. 16	...	5	29	24·85	...	91	17	28·0	R
17	...		29	25·01	5		17	26·8	R
Feb. 1	...		29	24·92	...		17	25·6	R
216		*123 Tauri ζ*							
Jan. 26	...	5	29	38·36	...	68	56	33·8	R
27	...		29	38·27	...		56	33·6	R
Nov. 23	...		29	38·19	...		56	30·9	R
217		*Anon.*							
Jan. 23	9·7	5	29	48·91	5	135	21	58·6	R
Feb. 6	9·3		29	48·84	...		21	57·9	M
218		*Anon.*							
Jan. 19	7·9	5	31	1·03	...	150	12	56·3	R
Dec. 18	8·0		31	0·88	5		12	59·1	R

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Number and Date.	Magnitude.	Mean Right Ascension 1866. h. m. s.	No. of Wires.	Mean Polar Distance 1866. ° ′ ″	Observer.
219		*Anon.*			
Jan. 18	9·3	5 31 41·90	6	128 42 10·0	R
220		*Lacaille* 1949.			
Feb. 7	5·9	5 32 16·49	...	154 19 1·5	M
221		*Anon.*			
Jan. 10	8·6	5 32 44·12	5	150 11 29·6	R
30	8·3	32 43·97	...	11 30·2	R
222		*Anon.*			
Jan. 18	9·2	5 32 45·99	4	128 41 10·8	R
223		*Anon.*			
Jan. 26	9·3	5 34 21·51	...	152 7 55·7	R
Feb. 5	8·9	34 21·54	...	7 53·1	M
8	8·0	34 21·51	...	7 55·7	M
224		*α Columbae.*			
Jan. 4	...	5 34 47·81	...	124 8 50·0	M
15	...	34 47·95	...	8 51·7	M
17	...	34 47·82	...	8 52·3	R
24	...	34 47·80	...	8 52·2	R
225		*Lacaille* 1971.			
Feb. 16	7·1	5 36 23·44	...	149 11 28·0	M
226		*Anon.*			
Jan. 16	9·3	5 36 47·41	...	129 57 50·1	R
227		*Anon.*			
Feb. 3	9·0	5 38 27·74	...	130 5 21·5	M
228		*Anon.*			
Jan. 22	8·7	5 39 17·54	...	79 0 11·3	R
229		*Taylor* 2145.			
Jan. 23	6·5	5 39 53·16	...	135 53 44·3	R
230		*Anon.*			
Jan. 29	9·0	5 39 56·87	...	135 48 5·0	R
231		*W. B. E. V.* 1011.			
Jan. 22	8·0	5 40 35·61	6	78 57 41·1	R
25	8·3	40 35·62	...	57 40·1	R
Feb. 6	8·5	40 35·64	4	57 38·1	M
232		*Lacaille* 1984.			
Feb. 10	7·6	5 40 45·66	...	130 15 18·7	M
233		*Anon.*			
Feb. 5	7·0	5 42 10·19	...	135 3 30·9	M
7	7·6	42 10·31	5	3 31·2	M
234		*Anon.*			
Jan. 18	9·1	5 43 28·67	5	130 6 52·2	R
235		54 *Orionis* χ^1			
Jan. 26	...	5 46 26·91	...	69 45 8·1	R
236		*Anon.*			
Feb. 12	9·0	5 47 4·04	5	135 46 46·6	M
237		*Lalande* 11166.			
Jan. 23	8·0	5 47 8·21	...	78 32 37·2	R
24	8·0	47 8·18	...	32 38·8	R
30	7·9	47 8·16	...	32 37·9	R
238		58 *Orionis* α *Var.* 2, *Betelgeux.*			
Feb. 1	...	5 47 55·08	...	82 37 15·1	R
8	...	47 54·98	...	37 15·4	M

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Number and Date.	Magnitude.	Mean Right Ascension 1866. h.	m.	s.	No. of Wires.	Mean Polar Distance 1866. °	′	″	Observer.
239	*Anon.*								
Feb 10	7·9	5	49	57·28	...	135	43	6·9	M
240	*Lacaille* 2073.								
Feb. 13	7·7	5	50	34·02	...	137	12	37·4	R
241	*Anon.*								
Feb. 5	9·5	5	51	0·87	...	130	42	58·4	M
242	*Anon.*								
Jan. 25	9·0	5	52	45·07	...	129	32	33·5	R
Feb. 15	8·6		52	45·05	5		32	33·2	M
243	*R. P. L.* 43.								
Feb. 3	...	5	52	54·67	3	3	11	19·5	M
244	*Anon.*								
Feb. 7	7·8	5	53	20·74	...	131	7	14·1	M
245	*Lalande* 11455.								
Jan. 20	...	5	55	56·17	...	78	19	12·3	R
22	7·3		55	56·10	...		19	13·1	R
24	7·7		55	56·20	...		19	12·5	R
246	*Anon.*								
Feb. 6	8·7	5	56	13·48	5	129	57	13·1	M
247	*Taylor* 2301.								
Feb. 8	6·9	5	58	31·73	...	148	6	18·0	M
248	*Taylor* 2310.								
Feb. 12	6·9	5	59	39·00	...	150	29	3·6	M
249	*Anon.*								
Feb. 5	8·0	5	59	44·92	...	129	49	48·7	M
10	7·9		59	44·72	...		49	49·5	M
23	8·0		59	41·90	...		49	48·8	M
250	*67 Orionis* ν								
Jan. 8	...	5	59	55·21	...	75	13	7·9	M
30	...		59	55·20	...		13	7·8	R
Feb. 24	...		59	55·36	...		13	6·2	M
251	*Anon.*								
Feb. 7	7·1	6	0	51·27	...	137	28	33·0	M
14	7·6		0	54·08	...		28	33·5	M
252	*Anon.*								
Feb. 15	8·1	6	2	22·03	...	153	44	41·5	M
253	*Lalande* 11732.								
Jan. 4	8·5	6	3	29·30	...	77	58	53·1	M
6	8·4		3	29·38	...		58	55·1	M
Feb. 3	8·0		3	29·47	...		58	54·8	M
254	*Anon.*								
Feb. 16	7·1	6	4	26·33	...	128	2	35·3	M
255	*Anon.*								
Jan. 21	...	6	5	44·58	...	77	51	30·5	R
25	9·2		5	44·46	...		51	31·6	R
256	*Anon.*								
Jan. 27	...	6	7	29·05	...	151	18	26·8	R
257	*Anon.*								
Feb. 7	8·6	6	8	53·73	...	131	54	47·3	M
258	*Anon.*								
Feb. 5	9·0	6	8	57·22	...	130	31	31·9	M
259	*Anon.*								
Feb. 8	9·0	6	9	31·01	...	131	50	52·9	M
12	9·0		9	31·00	4		50	50·0	M

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Number and Date.	Magnitude.	Mean Right Ascension 1866. h.	m.	s.	No. of Wires.	Mean Polar Distance 1866. °	′	″	Observer.
260		*Lalande* 12053.							
Feb. 14	8·3	6	12	31·26	...	68	51	21·2	M
16	8·0		12	31·15	...		51	18·6	M
20	8·8		12	31·20	6		51	18·8	R
261		*Lalande* 12094.							
Feb. 15	8·3	6	13	42·31	...	68	42	3·7	M
17	9·0		13	42·22	...		42	3·8	R
19	8·9		13	42·16	...		42	3·6	R
262		*Lalande* 12120.							
Jan. 3	7·0	6	14	12·39	...	77	4	46·7	M
263		13 *Geminorum* μ							
Jan. 15	...	6	14	51·15	...	67	25	15·2	M
25	...		14	51·25	...		25	17·4	R
30	...		14	51·22	...		25	16·9	R
Feb. 6	...		14	51·18	...		25	17·2	M
13	...		14	51·17	...		25	16·5	R
264		*Lalande* 12155.							
Jan. 6	7·3	6	15	5·21	...	77	22	2·1	M
12	7·0		15	5·41	5		22	2·8	M
265		*Lacaille* 2273.							
Feb. 5	8·0	6	17	4·49	5	153	58	27·7	M
266		*Anon.*							
Feb. 7	8·7	6	18	31·05	...	151	28	28·8	M
267		*Taylor* 2485.							
Feb. 12	7·9	6	18	34·25	...	151	16	10·0	M
268		*Anon.*							
Feb. 17	9·5	6	19	47·28	5	65	30	50·0	R
269		α *Argûs, Canopus.*							
Jan. 30	...	6	20	58·96	...	142	38	25·4	R
270		18 *Geminorum* ν							
Jan. 27	...	6	21	0·35	...	69	42	23·6	R
271		*Lacaille* 2312.							
Feb. 8	7·0	6	22	9·89	..	153	36	40·8	M
272		*Anon.*							
Feb. 14	8·4	6	22	10·61	...	128	48	47·6	M
273		*Lacaille* 2329.							
Feb. 9	6·9	6	24	6·06	...	153	44	38·0	M
20	7·0		24	6·02	5		44	55·4	R
274		*Taylor* 2541.							
Feb. 5	6·1	6	24	57·21	...	147	55	4·0	M
275		*Lacaille* 2348.							
Feb. 23	7·3	6	26	33·08	...	152	3	48·2	M
276		*Anon.*							
Feb. 7	8·7	6	28	28·30	...	130	55	53·1	M
277		*Taylor* 2589.							
Jan. 12	6·9	6	29	50·72	...	151	46	53·7	M
Feb. 12	6·7		29	50·83	...		46	50·4	M
13	6·7		29	50·78	...		46	54·7	M
278		24 *Geminorum* γ.							
Jan. 3	...	6	29	58·29	...	73	29	23·2	M
5	...		29	58·35	...		29	23·2	M
18	...		29	58·18	...		29	25·0	R
22	...		29	58·17	...		29	24·1	R
23	...		29	58·20	...		29	24·2	M
25	...		29	58·23	...		29	24·9	R
27	...		29	58·16	...		29	24·0	R
30	...		29	58·20	...		29	23·9	R
Feb. 3	...		29	58·18	...		29	23·7	M
6	...		29	58·26	...		29	24·9	M
Dec. 22	...		29	58·21	5		29	25·6	R

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Number and Date.	Magnitude.	Mean Right Ascension 1866. h.	m.	s.	No. of Wires.	Mean Polar Distance 1866. °	′	″	Observer.
279				*Anon.*					
Feb. 5	8·9	6	31	29·08	5	140	0	17·2	M
16	8·9		31	28·84	...		0	19·1	M
280				*R Monocerotis Var. 1.*					
Feb. 13	10·4	6	31	50·93	6	81	9	0·0	R
17	10·5		31	50·93	4		8	59·4	R
19	10·5		31	50·92	5		8	53·3	R
20	10·4		31	50·86	5		8	54·9	R
22	...		31	51·19	5		8	56·8	R
281				*Anon.*					
Feb. 8	7·7	6	31	31·64	...	130	28	1·6	M
9	7·7		31	31·53	...		28	2·6	M
282				*Anon.*					
Feb. 21	9·2	6	35	51·32	...	130	38	9·6	R
23	8·4		35	51·42	5		38	10·3	M
283				*Taylor 2652.*					
Feb. 7	6·2	6	36	34·56	5	151	24	57·0	M
284				51 *Cephei*					
Jan. 5	...	6	36	39·52	3	2	45	25·2	M
15	...		36	38·62	2		45	24·3	M
22	...		36	39·61	3		45	25·8	R
Feb. 10	...		36	40·14	2		45	26·8	M
				51 *Cephei—s.p.*					
July 5	...	6	36	39·42	3	2	45	24·5	M
Aug. 9	...		36	40·08	3		45	25·9	R
285				*Lacaille 2451.*					
Feb. 3	8·0	6	38	11·31	...	155	57	48·9	M
286				*Anon.*					
Feb 15	8·4	6	39	11·69	5	131	3	31·3	M
287				9 *Canis Majoris* α, *Sirius.*					
Feb. 22	...	6	39	14·34	...	106	32	5·9	R
288				*Anon.*					
Jan. 3	8·0	6	40	33·22	5	131	1	35·7	M
Feb. 12	8·0		40	33·36	...		1	32·0	M
289				*Anon.*					
Feb. 26	9·2	6	40	33·41	5	151	58	55·3	R
290				*Anon.*					
Feb. 5	8·7	6	42	27·59	...	130	57	4·2	M
8	8·1		42	27·30	...		57	4·0	M
9	8·1		42	27·46	...		57	4·3	M
291				*Anon.*					
Feb. 14	9·0	6	42	41·01	5	130	58	14·2	M
16	9·0		42	41·17	...		58	14·9	M
292				*Anon.*					
Feb. 21	8·7	6	42	41·27	...	130	36	28·7	R
293				*Anon.*					
Feb. 7	7·6	6	43	45·01	...	128	30	32·1	M
294				*Anon.*					
Feb. 23	9·3	6	44	53·54	...	128	30	36·7	M
295				*Taylor 2724.*					
Jan. 12	8·8	6	44	55·86	...	144	36	11·2	M
296				*Anon.*					
Feb. 17	9·6	6	46	37·08	5	130	10	15·7	R
26	9·5		46	36·97	5		10	13·0	R

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Number and Date.	Magnitude.	Mean Right Ascension 1866. h.	m.	s.	No. of Wires.	Mean Polar Distance 1866. °	′	″	Observer.
297		*α Pictoris.*							
Jan. 4	5·0	6	46	48·93	...	151	47	54·9	M
Feb. 15	5·2		46	49·24	5		47	55·1	M
298		*Lacaille* 2532.							
Mar. 7	6·8	6	48	14·75	...	150	5	41·7	M
299		*Anon.*							
Feb. 17	9·5	6	48	54·62	6	130	10	26·0	M
26	9·3		48	54·55	6		10	23·8	R
300		*Anon.*							
Feb. 12	9·0	6	48	58·21	5	123	46	9·2	M
21	9·2		48	58·19	...		46	11·1	R
301		*Lacaille* 2538.							
Feb. 22	8·6	6	51	32·71	...	114	47	41·4	R
302		21 *Canis Majoris* ε							
Jan. 18	...	6	53	21·59	...	118	47	31·5	R
19	...		53	21·62	...		47	30·2	R
22	...		53	21·73	6		47	32·1	R
23	...		53	21·64	...		47	31·8	R
24	...		53	21·68	...		47	31·9	R
Feb. 3	...		53	21·61	...		47	29·9	M
5	...		53	21·73	...		47	28·1	M
6	...		53	21·64	...		47	30·8	M
13	...		53	21·59	...		47	31·7	R
303		*Anon.*							
Feb. 8	8·0	6	53	51·30	...	120	47	42·6	M
304		*Anon.*							
Jan. 12	8·0	6	55	39·46	...	120	38	4·7	M
Feb. 23	7·7		55	39·48	5		38	5·7	M
305		*Anon.*							
Jan. 30	9·3	6	56	25·29	...	120	17	31·6	R
306		23 *Canis Majoris* γ							
Jan. 4	...	6	57	41·71	...	105	26	15·4	M
5	...		57	41·80	...		26	15·8	M
18	...		57	41·84	5		26	16·6	R
19	...		57	41·77	...		26	15·9	R
24	...		57	41·81	...		26	17·1	R
29	...		57	41·86	...		26	16·0	R
Feb. 26	...		57	41·82	...		26	13·4	R
27	...		57	41·72	...		26	15·0	R
307		*Lalande* 13707.							
Jan. 27	8·2	6	58	13·45	...	67	6	50·8	R
Feb. 7	7·9		58	13·40	...		6	49·3	M
308		*R Geminorum Var.* 2.							
Jan. 26	7·6	6	59	17·17	...	67	5	37·8	R
31	7·7		59	17·17	...		5	38·5	R
Feb. 8	7·7		59	17·19	...		5	37·3	M
9	7·5		59	17·17	...		5	37·3	M
10	7·5		59	17·15	...		5	37·2	M
12	7·6		59	17·22	...		5	38·1	M
309		*Anon.*							
Feb. 13	9·3	7	0	39·54	...	60	50	18·6	R
21	8·8		0	39·45	...		50	16·8	R
310		*Taylor* 2851.							
Feb. 21	7·1	7	0	52·43	5	145	44	57·3	M
Mar. 10	7·0		0	52·29	5		44	59·2	M
311		*Anon.*							
Feb. 15	8·9	7	1	18·93	...	61	4	19·5	M
17	9·3		1	18·74	...		4	19·8	R
22	9·3		1	18·66	5		4	19·7	R
312		*R Canis Majoris Var.* 1.							
Feb. 19	9·5	7	1	20·23	6	79	56	2·5	R
20	9·3		1	20·25	...		56	3·7	R

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313	*W. B. E. VII.* 1920.								
Feb. 26	8·2	7	1	34·32	...	79	41	37·0	R
Mar. 1	8·8		1	34·43	...		41	42·2	R
314	*Anon.*								
Jan. 20	9·6	7	3	27·76	5	130	14	41·2	R
Feb. 5	8·5		3	27·70	...		14	39·8	M
315	*Anon.*								
Feb. 9	9·4	7	5	46·24	...	69	53	47·4	M
10	9·0		5	46·24	...		53	47·5	M
22	9·9		5	46·28	...		53	47·3	R
316	*Anon.*								
Feb. 27	...	7	6	42·80	5	129	2	56·8	R
317	*Taylor* 2923.								
Mar. 5	7·9	7	7	18·09	5	150	21	29·7	M
318	*Anon.*								
Jan. 26	9·1	7	8	57·54	5	130	17	31·8	R
Mar. 1	9·6		8	57·68	5		17	31·1	R
319	*Taylor* 2940.								
Mar. 6	7·9	7	9	32·27	5	129	57	54·6	M
320	*Anon.*								
Jan. 26	9·6	7	9	50·57	4	130	18	44·9	R
Mar 1	9·8		9	50·31	6		18	45·6	R
321	54 *Geminorum* λ								
Jan. 29	...	7	10	23·44	...	73	13	16·1	R
322	55 *Geminorum* δ								
Jan. 18	...	7	12	7·15	5	67	46	28·0	R
20	...		12	7·11	...		46	27·6	R
22	...		12	7·11	...		46	28·5	R
31	...		12	7·05	...		46	28·5	R
Feb. 7	...		12	7·14	...		46	29·0	M
12	...		12	7·10	...		46	26·0	M
15	...		12	7·06	...		46	29·0	M
16	...		12	7·06	...		46	28·5	M
17	...		12	7·02	...		46	29·1	R
23	...		12	7·10	...		46	28·5	M
26	...		12	6·98	...		46	26·2	M
323	*Anon.*								
Mar. 12	8·0	7	12	37·35	5	152	48	8·0	M
324	*Anon.*								
Jan. 16	9·5	7	13	5·35	...	129	16	15·2	R
21	9·3		13	5·26	...		16	12·0	R
325	*Anon.*								
Jan. 12	8·0	7	14	33·86	...	138	49	49·4	M
Feb. 24	7·7		14	33·90	4		49	47·4	M
326	*Lacaille* 2805.								
Feb. 27	8·0	7	17	22·55	...	153	8	18·2	R
Mar. 5	7.9		17	22·60	...		8	18·4	M
327	*Anon.*								
Jan. 16	9·0	7	17	29·04	4	129	13	42·8	R
20	9·0		17	29·03	...		13	41·2	R
Feb. 21	8·3		17	28·96	...		13	39·6	R
Mar. 8	8·1		17	29·02	...		13	40·4	M
328	*Anon.*								
Jan. 17	9·8	7	17	41·24	...	129	46	24·1	R
Feb. 23	9·7		17	41·01	...		46	24·0	R

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Number and Date.	Magnitude.	Mean Right Ascension 1866. h.	m.	s.	No. of Wires.	Mean Polar Distance 1866. °	′	″	Observer.
329		*R. P. L.* 45.							
Jan. 25	...	7	17	49·56	7	0	59	17·5	R
Feb. 20	...		17	49·59	7		59	20·1	R
Mar. 1	...		17	48·82	7		59	21·3	R
330		*Taylor* 3043.							
Jan. 3	7·3	7	19	17·88	...	129	16	39·3	M
20	7·0		19	17·73	...		16	39·8	R
331		*Lacaille* 2807.							
Feb. 13	8·2	7	19	35·36	...	142	15	36·7	R
Mar. 7	7·9		19	35·60	5		15	36·6	M
332		*Anon.*							
Mar. 6	9·1	7	19	50·60	...	152	35	50·1	M
333		*Anon.*							
Feb. 17	7·9	7	21	38·02	...	131	50	39·7	M
Mar. 15	7·0		21	37·82	...		50	41·1	M
334		*Anon.*							
Jan. 17	9·1	7	23	31·56	...	129	45	32·8	R
Feb. 22	9·2		23	31·53	...		45	32·1	R
Dec. 22	8·9		23	31·49	5		45	33·6	R
335		*Anon.*							
Jan. 16	8·1	7	23	57·73	...	129	11	20·7	R
336		*S Canis Minoris Var.* 2.							
Jan. 26	7·7	7	25	26·81	...	81	23	54·9	R
27	7·8		25	26·76	...		23	57·5	R
Feb. 21	7·5		25	26·70	...		23	55·3	R
23	7·5		25	26·80	...		23	57·5	M
337		*Anon.*							
Feb. 21	8·0	7	25	20·93	5	129	18	20·7	M
338		68 *Geminorum.*							
Jan. 29	...	7	25	57·51	...	73	53	19·0	R
339		66 *Geminorum* α[2], *Castor.*							
Feb. 5	...	7	26	2·78	3	57	49	16·8	M
12	...		26	2·75	5		49	15·0	M
14	...		26	3·08	...		49	17·9	M
15	...		26	2·79	...		49	18·4	M
26	...		26	2·81	...		49	16·7	R
27	...		26	2·62	...		49	17·6	R
340		*Anon.*							
Jan. 17	9·7	7	26	41·53	5	129	45	16·7	R
341		*Anon.*							
Jan. 20	8·3	7	28	0·25	6	129	42	59·7	R
Feb. 13	8·0		28	0·32	...		43	0·4	R
17	8·5		28	0·26	6		42	59·2	R
Mar. 5	8·0		28	0·22	...		42	57·7	M
342		*Taylor* 3126.							
Feb. 23	6·8	7	29	37·08	...	143	15	58·0	R
Mar. 6	6·9		29	37·05	...		16	1·5	M
7	7·0		29	37·08	...		15	59·0	M
343		*Taylor* 3133.							
Mar. 8	8·7	7	31	8·94	4	131	10	49·9	M
9	8·5		31	8·74	...		10	48·0	M
344		*Anon.*							
Jan. 17	8·9	7	31	58·59	...	129	44	8·9	R
Feb. 17	9·2		31	58·54	...		44	9·5	R
345		10 *Canis Minoris* α, *Procyon.*							
Jan. 3	...	7	32	17·13	...	84	26	4·5	M
23	...		32	17·17	...		26	5·7	R
31	...		32	17·21	...		26	3·7	R
Feb. 3	...		32	17·06	...		26	3·1	M

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Number and Date.	Magnitude.	Mean Right Ascension 1866. h.	m.	s.	No. of Wires.	Mean Polar Distance 1866. °	′	″	Observer.
Feb. 5	...	7	32	17·07	...	84	26	4·5	M
7	...		32	17·05	...		26	5·0	M
8	...		32	17·02	...		26	3·7	M
9	...		32	17·12	...		26	3·7	M
12	...		32	17·07	...		26	2·8	M
14	...		32	17·17	...		26	5·5	M
15	...		32	17·11	...		26	6·0	M
16	...		32	17·20	...		26	4·8	M
23	...		32	17·12	...		26	6·4	M
26	...		32	17·20	...		26	6·3	R
346	*S Geminorum Var.* 3.								
Jan. 24	10·6	7	34	41·04	5	66	12	42·5	R
26	10·6		34	41·09	6		12	40·6	R
27	10·6		34	40·75	5		12	44·8	R
347	*Anon.*								
Jan. 16	8·9	7	35	10·87	...	129	58	7·7	R
18	9·0		35	10·90	5		58	7·9	R
348	*Anon.*								
Feb. 13	9·9	7	35	17·13	4	66	16	13·8	R
349	*Taylor* 3195.								
Mar. 13	7·9	7	36	34·66	5	150	19	22·3	M
350	*Anon.*								
Mar. 5	7·7	7	36	34·82	...	123	55	28·1	M
6	8·0		36	34·76	5		55	29·3	M
351	*Anon.*								
Jan. 16	7·2	7	36	48·31	5	120	57	34·8	R
18	8·0		36	48·30	...		57	33·7	R
352	78 *Geminorum β, Pollux.*								
Jan. 23	...	7	37	6·68	...	61	39	13·2	R
29	...		37	6·76	...		39	11·4	R
31	...		37	6·68	...		39	13·4	R
Feb. 1	...	7	37	6·68	...	61	39	12·6	r
3	...		37	6·87	...		39	11·9	M
5	...		37	6·66	...		39	12·3	M
7	...		37	6·82	...		39	13·0	M
8	...		37	6·89	...		39	13·6	M
9	...		37	6·79	...		39	15·6	M
10	...		37	6·77	...		39	13·8	M
14	...		37	6·90	...		39	14·0	M
15	...		37	6·77	...		39	14·0	M
16	...		37	6·82	...		39	13·6	M
19	...		37	6·82	6		39	13·3	R
23	...		37	6·75	...		39	14·5	M
24	...		37	6·63	...		39	12·0	M
353	*Anon.*								
Mar. 7	7·0	7	39	9·76	...	131	8	54·3	M
8	7·0		39	9·67	...		8	54·6	M
10	7·0		39	9·61	5		8	53·6	M
354	*Anon.*								
Mar. 9	8·3	7	40	57·50	4	153	9	56·9	M
14	8·6		40	57·47	...		9	58·7	M
355	*T Geminorum Var.* 4.								
Jan. 26	10·1	7	41	15·45	5	65	56	8·9	R
27	10·0		41	15·23	...		56	8·4	R
30	9·9		41	15·35	...		56	9·0	R
Feb. 17	9·6		41	15·38	...		56	8·8	R
22	9·6		41	15·25	6		56	9·4	R
27	...		41	15·38	...		56	7·4	R
356	*Anon.*								
Mar. 12	7·6	7	41	34·99	...	144	18	50·0	M
357	*Lacaille* 3031.								
Jan. 17	7·2	7	45	7·88	5	144	22	46·4	R
Mar. 6	6·9		45	7·98	5		22	45·1	M
358	*Anon.*								
Mar. 5	8·0	7	45	10·84	...	120	25	9·4	M
13	8·0		45	10·86	...		25	8·6	M

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359 *U. Geminorum Var. 5.*									
Jan. 18	9·5	7	47	9·31	...	67	38	59·0	R
19	9·6		47	9·26	...		38	58·1	R
20	9·8		47	9·24	...		39	0·3	K
22	9·9		47	9·24	...		38	59·6	R
23	9·7		47	9·14	...		39	0·4	R
24	9·8		47	9·28	...		38	59·5	R
26	9·9		47	9·37	...		39	0·5	R
27	10·1		47	9·11	...		39	1·4	R
30	10·5		47	9·19	5		39	2·3	R
360 *Taylor* 3310.									
Feb. 21	...	7	48	35·01	5	149	18	11·2	R
28	7·7		48	35·03	5		18	9·6	R
361 *Anon.*									
Feb. 22	9·3	7	48	35·76	...	67	46	26·0	R
362 *Anon.*									
Mar. 1	8·4	7	49	3·28	5	130	26	22·5	R
363 1 *Cancri.*									
Dec. 22	...	7	49	22·74	...	73	51	17·5	R
364 *Anon.*									
Feb. 20	...	7	49	55·30	...	120	17	40·6	R
Mar. 7	8·1		49	55·67	...		17	41·6	M
365 *Anon.*									
Feb. 5	7·6	7	49	57·77	...	140	8	45·0	M
366 *Anon.*									
Feb. 24	7·7	7	50	9·24	...	129	38	44·5	M
367 *Taylor* 3339.									
Mar. 9	7·9	7	51	23·03	...	144	17	13·7	M
368 *Anon.*									
Mar. 10	8·0	7	52	3·00	5	148	22	42·8	M
12	8·1		52	2·98	5		22	44·5	M
369 5 *Cancri.*									
Dec. 22	...	7	53	51·90	5	73	10	43·5	R
370 *Taylor* 3373.									
Mar. 6	7·6	7	55	16·73	...	144	12	13·2	M
371 6 *Cancri.*									
Jan. 3	...	7	55	17·05	...	61	49	58·4	M
22	...		55	17·02	...		50	0·3	R
29	...		55	17·05	...		50	1·7	R
Feb. 1	...		55	17·13	...		49	59·7	P
7	...		55	17·09	...		50	0·4	M
8	...		55	17·13	...		50	1·1	M
9	...		55	17·09	..		49	59·5	M
10	...		55	17·08	...		50	0·9	M
12	...		55	17·20	...		49	58·0	M
17	...		55	17·02	...		50	1·7	R
19	...		55	17·05	4		50	0·2	R
21	...		55	16·99	...		50	0·6	R
22	...		55	16·91	...		50	0·3	R
28	...		55	17·06	...		50	1·3	R
Mar. 15	...		55	17·02	...		50	2·9	M
372 *Anon.*									
Mar. 14	7·9	7	55	24·41	...	128	30	33·0	M
373 *Brisbane* 1855.									
Mar. 5	6·7	7	55	29·99	5	152	56	7·1	M
13	6·9		55	30·13	...		56	6·8	M
374 *Anon.*									
Jan. 24	9·2	8	1	24·95	...	150	31	44·2	R
Mar. 10	8·6		1	24·64	...		31	42·9	M

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375			*Lacaille* 3174.						
Mar 7	7·2	8	1	27·12	...	155	38	16·8	M
376			15 *Argûs.*						
Feb. 1	...	8	1	50·43	...	113	55	13·2	r
13	...		1	50·33	...		55	13·1	R
17	...		1	50·41	...		55	13·9	R
19	...		1	50·33	...		55	13·0	R
21	...		1	50·25	...		55	12·1	R
22	...		1	50·23	...		55	11·6	R
23	...		1	50·24	...		55	13·9	M
28	...		1	50·27	...		55	13·1	R
Mar. 1	...		1	50·42	...		55	13·1	R
15	...		1	50·22	...		55	12·9	M
17	...		1	50·36	...		55	13·0	R
377			*Anon.*						
Mar. 16	9·5	8	2	7·91	...	113	47	9·2	R
378			*Anon.*						
Mar. 9	7·9	8	2	16·18	5	128	39	45·2	M
12	8·2		2	16·29	..		39	46·7	M
379			16 *Cancri* 3						
Feb. 26	...	8	4	31·44	.	71	57	3·5	R
380			*Anon.*						
Feb. 2	8·0	8	6	8·16	...	128	40	54·1	M
Mar. 6	7·7		6	8·06	...		40	53·7	M
14	7·0		6	8·07	..		40	54·1	M
381			*Anon.*						
Jan. 29	9·0	8	8	38·14	...	128	38	45·3	R
382			*R Cancri Var.* 1						
Jan. 24	7·3	8	9	10·47	4	77	51	51·3	M
26	8·2		9	10·49	...		51	56·1	R
27	8·3		9	10·40	..		51	55·2	R
383			*Anon.*						
Jan. 30	9·6	8	10	28·29	...	151	26	39·7	R
384			*Anon.*						
Mar. 17	9·9	8	10	35·50	4	77	38	8·3	R
385			*Lalande* 16224.						
Feb. 24	7·3	8	10	40·25	...	73	54	33·3	M
Mar. 9	7·0		10	40·37	...		54	30·6	M
10	6·8		10	40·29	...		54	34·5	M
386			*Anon.*						
Feb. 14	8·4	8	11	23·99	3	152	5	3·4	M
387			*Anon.*						
Mar. 8	8·2	8	12	21·73	...	128	44	3·4	M
15	...		12	21·67	4		44	5·4	M
388			*Anon.*						
Jan. 29	9·2	8	12	49·68	...	128	41	15·1	R
Feb. 23	8·5		12	49·70	...		41	18·9	M
Mar. 12	8·0		12	49·69	...		41	17·1	M
13	8·0		12	49·72	...		41	16·4	M
19	9·0		12	49·84	5		41	18·3	R
389			*Anon.*						
Mar. 20	10·0	8	13	1·85	5	130	45	55·2	R
390			*Anon.*						
Mar. 6	7·7	8	14	53·58	...	142	17	18·4	M
7	7·9		14	53·91	...		17	17·7	M
391			*Lacaille* 3297.						
Feb. 15	8·0	8	15	2·84	4	153	50	13·7	M
16	8·0		15	2·74	5		50	14·1	M
Mar. 5	8·1		15	3·02	...		50	12·2	M

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Number and Date.	Magnitude.	Mean Right Ascension 1866. h.	m.	s.	No. of Wires.	Mean Polar Distance. 1866. °	'	"	Observer.
392			*20 Cancri d*[1]						
Feb. 26	...	8	15	41·24	...	71	14	25·3	R
393			*Anon.*						
Feb. 28	9·0	8	17	26·99	...	141	16	16·2	R
394			*Anon.*						
Feb. 12	8.5	8	17	29·15	...	77	49	30·6	M
Mar. 14	8·6		17	29·12	...		49	35·5	M
395			*Anon.*						
Mar. 23	10·3	8	18	48·94	4	151	1	8·5	R
396			*Taylor* 3599.						
Feb. 7	7·8	8	20	19·92	...	144	53	9·1	M
8	7·7		20	19·74	...		53	10·6	M
Mar. 9	7·1		20	19·81	...		53	8·2	M
16	...		20	19·93	5		53	10·1	R
397			*W. B. N. VIII.* 459.						
Feb. 14	8·0	8	20	23·90	...	74	27	41·7	M
398			*29 Cancri*						
Jan. 29	...	8	21	8·72	...	75	20	51·6	R
30	...		21	8·58	...		20	54·3	R
399			*Taylor* 3607.						
Mar. 10	6·9	8	21	15·48	...	144	55	45·5	M
16	..		21	15·33	4		55	46·4	R
400			*Anon.*						
Feb. 2	9·0	8	21	31·41	5	131	41	59·6	M
401			*Anon.*						
Mar. 19	...	8	23	14·60	...	73	25	49·0	R
21	9·3		23	14·85	...		25	48·9	R
402			*Taylor* 3620						
Feb. 6	8·0	8	23	14·98	...	130	48	11·7	M
403			*Anon.*						
Mar. 1	8·9	8	23	36·68	...	128	38	59·9	R
404			*Anon.*						
Mar. 8	9·0	8	24	51·70	...	73	46	4·3	M
405			*33 Cancri η.*						
Feb. 9	...	8	24	57·30	...	60	6	24·7	M
10	...		24	57·40	...		6	24·2	M
17	...		24	57·39	...		6	23·1	R
19	...		24	57·24	...		6	24·2	R
20	...		24	57·31	...		6	23·5	R
22	...		24	57·38	...		6	23·1	R
Mar. 5	...		24	57·27	...		6	20·4	M
7	...		24	57·34	...		6	23·8	M
17	...		24	57·36	...		6	24·3	R
406			*Taylor* 3651.						
Mar. 6	7·6	8	25	44·01	...	130	3	45·2	M
407			*Taylor* 3652.						
Mar. 13	7·9	8	25	45·28	...	130	3	2·6	M
408			*Lacaille* 3393.						
Mar. 20	8·7	8	25	59·32	8·7	149	40	35·8	R
409			*W. B. N. VIII.* 635.						
Mar. 12	8·4	8	27	45·63	...	73	48	42·5	M
14	8·6		27	45·64	...		48	45·3	M
410			*Taylor.*						
Feb. 12	7·1	8	28	36·62	...	74	13	30·8	M
Mar. 15	7·0		28	36·06	...		13	31·7	M

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411		*Anon.*			
Feb. 28	9·3	8 28 54·27	...	70 41 5·1	R
412		*W. B. N. VIII.* 684.			
Mar. 22	9·2	8 29 7·85	...	70 30 22·5	R
413		*Lacaille* 3430.			
Mar. 9	7·3	8 29 15·00	5	151 53 3·3	M
414		*Anon.*			
Mar. 19	8·8	8 30 18·37	...	128 47 33·6	R
26	8·0	30 18·44	5	47 33·8	R
415		*Anon.*			
Feb. 6	8·6	8 33 13·99	...	120 23 51·9	M
416		*W. B. N. VIII.* 852.			
Mar. 5	8·0	8 34 8·54	5	74 8 4·9	M
7	8·4	34 8·69	...	8 2·9	M
417		*Anon.*			
Mar. 10	8·3	8 34 10·23	5	154 20 49·3	M
418		*Anon.*			
Mar. 17	9·2	8 34 43·98	...	120 46 37·8	R
419		*45 Cancri* A¹			
Jan. 29	...	8 35 49·24	...	76 50 28·9	R
30	...	35 49·26	...	50 28·2	R
Mar. 26	...	35 49·12	6	50 28·1	R
420		*Lacaille* 3491.			
Mar 20	8·4	8 36 3·32	5	152 22 18·3	R
421		*b Velorum.*			
Mar. 16	...	8 36 10·93	..	136 10 25·5	R
422		*S. Cancri Var.* 2.			
Feb. 22	8·5	8 36 16·71	...	70 29 11·1	R
Mar. 22	8·9	36 16·58	...	29 14·7	R
23	9·0	36 16·63	...	29 11·3	R
423		*Lalande* 17231.			
Mar. 13	7·8	8 37 50·84	...	74 28 7·5	M
14	7·8	37 50·94	...	28 9·0	M
424		*W. B. N. VIII.* 977.			
Feb. 12	9·7	8 39 21·90	5	74 49 23·7	M
Mar. 27	9·7	39 21·83	..	49 28·3	R
425		11 *Hydrae* ε			
Feb. 1	...	8 39 40·73	...	83 5 31·8	r
13	...	39 40·70	...	5 32·3	R
16	...	39 40·59	...	5 31·3	M
21	...	39 40·77	...	5 30·8	R
Mar. 6	...	39 40·76	...	5 31·9	M
8	...	39 40·73	...	5 33·0	M
19	...	39 40·72	...	5 31·2	R
22	...	39 40·76	5	5 34·3	R
28	...	39 40·66	...	5 33·3	R
426		*Anon.*			
Mar. 12	7·8	8 40 33·89	...	120 15 59·4	M
427		*Lacaille* 3534.			
Mar. 17	8·5	8 42 21·65	...	120 18 32·4	R
428		*W. B. N. VIII.* 1043.			
Mar. 15	7·9	8 42 28·12	6	74 40 23·5	M
26	8·7	42 28·20	...	40 19·4	R
429		*Anon.*			
Feb. 22	9·2	8 42 50·47	5	136 10 54·2	R

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Number and Date.	Magnitude.	Mean Right Ascension 1866. h.	m.	s.	No. of Wires.	Mean Polar Distance 1866. °	′	″	Observer.
430			*Lacaille 3573.*						
Feb. 2	8·0	8	44	15·34	5	152	41	54·6	M
6	7·7		44	14·98	...		41	52·5	M
8	7·7		44	15·25	...		41	51·1	M
431			*S Hydrae Var. 3.*						
Feb. 28	8·2	8	46	34·60	6	86	25	40·7	R
Mar. 9	8·0		46	34·47	...		25	40·1	M
10	7·6		46	34·46	...		25	41·7	M
16	8·1		46	34·63	...		25	41·0	R
19	8·0		46	34·62	...		25	40·4	R
432			*Anon.*						
Mar. 20	8·6	8	46	48·43	...	132	53	42·3	R
433			*R. P. L. 60.*						
Mar. 8	...	8	46	50·33	3	5	17	22·6	M
434			*Anon.*						
Mar. 5	7·9	8	46	59·89	...	136	6	27·3	M
Apl. 5	8·1		47	0·00	4		6	28·9	M
435			*Anon.*						
Mar. 24	9·0	8	47	44·25	5	132	56	21·8	R
Apl. 6	8·3		47	44·20	5		56	21·6	M
436			*T Cancri Var. 3.*						
Feb. 22	9·0	8	49	0·60	...	69	38	26·2	R
Mar. 13	8·9		49	0·75	...		38	27·7	M
22	—		49	0·57	...		38	29·0	R
23	8·3		49	0·72	...		38	27·7	R
437			*T Hydrae Var. 4.*						
Feb. 13	8·0	8	49	8·61	5	98	37	55·3	R
15	7·7		49	8·62	..		37	56·0	M
20	8·3		49	8·60	...		37	54·7	R
23	7·6		49	8·60	5		37	56·3	M
24	7·7		49	8·39	3		37	51·6	M
Mar. 6	8·2		49	8·53	..		37	55·9	M
14	8·0		49	8·63	4		37	57·4	M
438			*Anon.*						
Mar. 24	8·0	8	49	17·87	...	132	54	49·1	R
27	8·5		49	17·81	...		54	47·6	R
439			*9 Ursae Majoris ι.*						
Feb. 1	...	8	50	1·21	...	41	26	6·4	R
440			*Anon.*						
Mar. 12	8·2	8	50	19·69	5	132	57	23·9	M
441			*65 Cancri α.*						
Jan. 3	...	8	51	9·32	...	77	37	33·2	M
Feb. 26	...		51	9·33	6		37	34·4	R
27	...		51	9·30	4		37	37·4	R
Mar. 26	...		51	9·40	...		37	36·3	R
442			*Anon.*						
Mar. 27	9·2	8	54	5·95	6	132	54	10·5	R
443			*Anon.*						
Mar. 15	8·7	8	54	24·53	5	130	35	21·7	M
444			*Anon.*						
Mar. 7	8·8	8	54	51·53	—	130	35	56·3	M
10	8·1		54	51·60	—		35	56·4	M
445			*Anon.*						
Feb. 20	8·0	8	55	1·63	4	142	40	24·5	R
446			*Anon.*						
Feb. 28	8·3	8	56	40·61	5	146	48	30·2	R
447			*Anon.*						
Feb. 5	9·3	8	56	47·52	...	129	18	40·9	M

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Number and Date.	Magnitude.	Mean Right Ascension 1866. h.	m.	s.	No. of Wires.	Mean Polar Distance 1866. °	′	″	Observer.
448		*Anon.*							
Mar. 20	..	8	56	38·10	4	146	35	4·1	R
449		*Anon.*							
Feb. 28	9·0	8	58	9·20	5	146	50	10·6	R
450		*Anon.*							
Feb. 2	9·1	8	58	12·73	...	146	18	56·9	M
451		*Anon.*							
Mar. 9	8·0	8	59	9·19	5	145	38	37·4	M
21	8·5		59	9·45	5		38	38·3	R
Apl. 10	8·1		59	9·54	...		38	36·0	M
452		*76 Cancri κ*							
Jan. 3	..	9	0	29·26	...	78	47	41·0	M
Feb. 26	...		0	29·20	...		47	43·1	R
27	.		0	29·23	..		47	42·9	R
453		*Anon.*							
Mar. 14	..	9	1	54·87	...	128	57	41·6	M
454		*Lacaille* 3705.							
Mar 8	7·0	9	2	16·90	...	151	17	33·8	M
19			2	16·68	...		17	34·0	R
455		*Anon.*							
Jan. 30	9·3	9	4	1·65	...	132	48	13·8	R
Mar. 17	9·0		4	1·51	4		48	14·9	M
456		*Anon.*							
Feb. 22	8·5	9	4	28·27	...	130	30	8·4	R
Mar 22	9·0		4	28·41	...		30	10·5	R
457		*Anon.*							
Mar. 10	8·0	9	4	29·14	...	132	45	57·6	M
12	7·7		4	29·35	4		45	57·4	M
15	8·0		4	29·25	...		45	58·0	M
17	9·0		4	29·38	...		45	58·3	M
458		*Lacaille* 3713.							
Mar. 23	7·9	9	4	38·26	...	143	49	41·1	R
27	8·2		4	38·27	...		49	42·4	R
459		*Taylor* 4021.							
Mar. 13	7·0	9	5	35·38	...	138	44	38·5	M
Apl. 4	7·3		5	35·47	5		44	39·7	M
460		*Anon.*							
Apl. 11	8·0	9	6	30·91	...	142	29	54·2	M
461		*Anon.*							
Mar. 20	9·3	9	8	17·65	...	148	14	44·8	R
462		*Lacaille* 3774.							
Feb. 28	8·8	9	9	56·15	...	157	10	14·2	R
Mar. 24	9·0		9	56·00	5		10	15·2	R
463		83 *Cancri.*							
Feb. 2	...	9	11	29·84	...	71	43	43·3	M
21	...		11	29·88	...		43	44·9	R
22	...		11	30·00	...		43	43·9	R
24	...		11	29·81	...		43	44·1	M
Mar. 5	...		11	29·73	...		43	41·6	M
9	...		11	29·86	...		43	43·9	M
10	...		11	29·95	...		43	45·2	M
12	...		11	29·97	...		43	41·7	M
14	...		11	29·85	...		43	43·9	M
27	..		11	29·87	...		43	45·4	R
464		*Anon.*							
Jan. 30	8·2	9	13	10·02	...	72	18	27·7	R

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Number and Date.	Magnitude.	Mean Right Ascension 1866. h. m. s.	No. of Wires	Mean Polar Distance 1866. ° ′ ″	Observer.
465		*ι Argûs.*			
Mar. 15	...	9 13 30·12	...	148 42 54·0	M
19	...	13 30·28	...	42 53·4	R
466		*Anon.*			
Mar. 21	9·0	9 15 19·26	...	143 49 11·5	R
Apl. 5	7·9	15 19·33	...	49 10·7	M
7	7·9	15 19·26	...	49 13·4	M
467		*Anon.*			
Mar. 20	9·3	9 16 10·26	...	140 8 5·0	R
23	9·3	16 10·33	5	8 4·8	R
Apl. 6	8·0	16 10·03	5	8 5·3	M
468		*Anon.*			
Feb. 28	9·5	9 17 39·30	...	75 5 59·2	R
Mar. 26	...	17 39·17	5	6 0·9	R
469		*Anon.*			
Feb. 19	7·0	9 19 35·60	4	75 7 3·5	R
28	6·9	19 35·70	...	7 3·5	R
470		*Anon.*			
Mar. 17	9·3	9 20 28·05	...	137 28 27·7	R
19	9·0	20 28·86	...	28 27·5	R
471		*Anon.*			
Mar. 24	9·5	9 20 53·20	...	158 38 45·1	R
472		30 *Hydrae α, Var.* 2.			
Feb. 1	...	9 21 0·01	...	98 4 47·6	M
2	...	21 0·09	...	4 48·4	M
10	...	21 0·05	...	4 46·3	M
20	...	21 0·12	...	4 46·3	R
24	...	21 0·11	...	4 45·8	M
Mar. 5	...	21 0·19	...	4 44·7	M
6	...	21 0·17	...	4 46·4	M
7	...	21 0·06	...	4 46·0	M
12	...	21 0·03	...	4 47·7	M
Mar. 13	...	9 21 0·27	..	98 4 45·5	M
14	...	21 0·02	...	4 47·4	M
15	...	21 0·14	...	4 47·1	M
27	...	21 0·15	...	4 47·6	R
Apl. 9	...	21 0·07	...	4 47·2	M
473		25 *Ursae Majoris θ*			
Mar. 22	...	9 23 52·59	5	37 42 55·8	R
23	...	23 52·65	...	42 55·0	R
474		*Anon.*			
Apl. 6	9·5	9 24 22·02	4	158 41 16·9	M
475		*Anon.*			
Mar. 26	...	9 24 37·75	...	130 26 44·0	R
476		6 *Leonis h*			
Jan. 30	...	9 24 46·51	...	79 41 42·8	R
31	...	24 46·48	6	41 42·6	R
477		*Anon.*			
Mar. 9	8·0	9 26 59·21	...	144 58 40·4	M
478		*Taylor* 4222.			
Mar. 6	7·3	9 27 48·24	...	146 23 51·9	M
8	7·3	27 48·30	...	23 52·7	M
479		*Anon.*			
Feb. 27	9·6	9 28 3·38	5	128 46 24·1	R
28	9·0	28 3·31	5	46 24·2	R
Mar. 16	9·0	28 3·36	5	46 24·9	R
19	8·3	28 3·43	5	46 25·5	R
20	9·0	28 3·35	5	46 25·1	R
480		*Anon.*			
Apl. 7	7·9	9 28 31·74	...	144 0 13·5	M

Separate Results of Madras Meridian Circle Observations in 1866.

Number and Date.	Magnitude.	Mean Right Ascension 1866. h.	m.	s.	No. of Wires.	Mean Polar Distance 1866. °	'	"	Observer.
481			*Anon.*						
Feb. 27	9·0	9	28	59·57	4	128	47	27·2	R
Mar. 16	9·3	9	28	59·84	6		47	28·6	R
482			*Anon.*						
Mar. 27	9·0	9	29	6·06	...	128	50	6·1	R
483			*Anon.*						
Mar. 7	9·1	9	29	36·38	5	146	34	6·8	M
Apl. 5	9·4		29	36·24	4		34	7·5	M
484			*Taylor* 4259.						
Feb. 10	5·9	9	32	2·04	...	138	45	21·6	M
Mar. 15	5·5		32	1·90	...		45	22·5	M
Apl. 4	5·7		32	1·99	...		45	18·6	M
485			*Anon.*						
Feb 20	9·0	9	32	32·48	...	129	54	24·3	R
486			*R. P. L.* 69—*s.p.*						
Sep. 19	...	9	33	30·18	1	2	47	22·1	R
487			14 *Leonis* ο						
Jan. 30	...	9	33	59·79	...	79	30	1·1	R
Mar. 26	..		33	59·91	...		30	0·0	R
27	...		33	59·85	5		29	59·9	R
488			*Anon.*						
Apl. 12	8·8	9	35	37·75	...	151	56	52·9	M
489			*Anon.*						
Apl. 10	8·2	9	35	53·07	...	148	40	40·2	M
11	8·0		35	53·26	...		40	38·3	M
490			*Anon.*						
Apl. 6	8·5	9	36	52·29	...	151	54	22·2	M
491			*R Leonis Minoris Var.* 1.						
Feb. 17	8·0	9	37	31·79	...	54	52	29·1	R
23	7·8		37	31·61	...		52	29·0	M
27	...		37	31·74	5		52	29·5	R
28	8·0		37	31·68	...		52	28·5	R
Mar. 5	7·6		37	31·55	...		52	27·4	M
6	7·7		37	31·84	...		52	28·6	M
7	7·5		37	31·79	...		52	27·9	M
492			17 *Leonis* ε						
Feb. 1	...	9	38	14·15	...	65	36	39·6	M
2	...		38	14·39	...		36	41·3	M
20	...		38	14·31	4		36	38·6	R
Mar. 2	...		38	14·33	...		36	43·0	R
9	...		38	14·36	...		36	39·1	M
10	...		38	14·36	...		36	40·9	M
19	...		38	14·51	4		36	42·7	R
22	...		38	14·35	...		36	42·3	R
28	...		38	14·40	...		36	42·0	R
493			*B. F.* 1383.						
Apl. 9	...	9	39	5·70	...	62	40	32·9	M
494			18 *Leonis.*						
Mar. 26	...	9	39	10·11	...	77	34	29·1	R
27	...		39	10·08	...		34	29·0	R
495			*l Carinae Var.* 1.						
Apl. 6	5·7	9	41	34·00	...	151	53	28·7	M
496			*Anon.*						
Apl. 4	8·0	9	41	34·56	5	130	46	22·2	M
5	8·0		41	34·56	5		46	24·2	M
7	8·0		41	34·75	5		46	23·3	M
13	8·0		41	34·74	...		46	24·3	M
497			*Anon.*						
Mar. 8	8·0	9	44	9·49	...	147	2	10·3	M
9	8·0		44	9·40	5		2	9·4	M

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498		*Anon.*			
Mar. 2	9·2	9 46 0·78	...	129 3 25·9	R
499		*Anon.*			
Feb. 20	9·4	9 46 31·72	5	129 7 29·2	R
500		*R. P. L.* 70.			
Mar. 28	...	9 46 40·20	3	5 26 25·3	R
501		*Anon.*			
Apl. 7	9·5	9 48 37·11	4	152 8 16·0	M
502		*W. B. E. IX.* 1057.			
Jan. 31	7·8	9 49 51·01	...	85 7 17·3	R
Feb. 10	7·4	49 51·05	...	7 16·0	M
Mar. 23	7·3	49 50·95	...	7 19·2	R
503		*Anon.*			
Mar. 26	9·2	9 50 51·52	5	145 39 48·8	R
Apl. 14	8·9	50 51·57	...	39 46·3	M
23	7·9	50 51·63	...	39 46·1	M
504		29 *Leonis* π.			
Jan. 3	...	9 53 7·73	...	81 18 51·3	M
Feb. 1	...	53 7·72	...	18 53·2	M
20	...	53 7·79	...	18 50·7	R
27	...	53 7·95	...	18 52·7	R
28	...	53 7·80	...	18 53·6	R
Mar. 1	...	53 7·79	...	18 52·8	R
5	...	53 7·81	...	18 52·5	M
6	...	53 7·68	...	18 54·4	M
7	...	53 7·74	...	18 54·3	M
8	...	53 7·83	...	18 51·3	M
9	...	53 7·84	...	18 52·6	M
10	...	53 7·81	...	18 52·0	M
13	...	53 7·74	...	18 53·2	M
14	...	53 7·86	...	18 54·3	M
Apl. 9	...	53 7·91	...	18 51·6	M
505		*Anon.*			
Mar. 24	9·3	9 53 56·88	5	152 7 23·1	R
Apl. 6	9·0	53 56·74	...	7 22·0	M
506		*Anon.*			
Feb. 14	8·0	9 54 13·11	...	143 58 50·5	M
Mar. 3	8·0	54 13·09	...	58 50·1	M
Apl. 5	8·1	54 13·06	...	58 49·3	M
507		*Taylor* 4445.			
Apl. 10	7·9	9 54 47·21	...	147 29 13·7	M
508		*Anon.*			
Apl. 13	8·0	9 55 56·17	..	147 24 50·3	M
509		*Anon.*			
Mar. 21	9·8	9 56 8·35	...	129 57 59·8	R
510		*Anon.*			
Mar. 17	9·5	9 57 12·30	...	129 57 13·0	R
21	9·0	57 12·37	4	57 14·7	R
511		*Taylor* 4476.			
Mar. 23	8·8	9 57 53·68	...	145 36 29·5	R
512		*Anon.*			
Apl. 18	9·2	9 58 17·54	5	143 54 41·5	R
513		*Taylor* 4484.			
Apl. 12	7·4	9 58 44·41	...	151 30 33·5	M
514		32 *Leonis* α, *Regulus*.			
Jan. 3	...	10 1 14·02	...	77 22 45·4	M
Feb. 1	...	1 13·88	...	22 46·3	M
27	...	1 14·07	5	22 46·2	R
28	...	1 13·94	...	22 46·9	R

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Number and Date.	Magnitude.	Mean Right Ascension 1866. h.	m.	s.	No. of Wires.	Mean Polar Distance 1866. °	′	″	Observer.
Mar. 1	...	10	1	13·93	...	77	22	48·6	R
2	...		1	13·95	...		22	46·3	R
6	...		1	13·99	...		22	47·1	M
7	...		1	14·06	...		22	47·0	M
8	...		1	13·98	...		23	47·6	M
9	...		1	13·93	...		22	44·7	M
10	...		1	13·87	...		22	45·8	M
13	..		1	13·86	...		22	44·7	M
Apl. 9	...		1	13·91	...		22	45·3	M
515		*Anon.*							
Mar. 24	9·0	10	1	26·37	5	130	2	33·6	R
Apl. 14	8·5		1	26·12	...		2	34·9	M
17	9·2		1	26·10	...		2	33·3	R
516		*Lacaille* 4164.							
Mar. 5	7·9	10	2	17·06	3	143	54	36·2	M
15	...		2	16·89	...		54	39·6	M
Apl. 5	7·9		2	16·87	3		54	37·2	M
6	7·1		2	16·76	5		54	37·5	M
517		*Anon.*							
Jan. 31	9·3	10	2	51·70	...	129	58	11·1	R
518		*Anon.*							
Mar. 26	9·3	10	5	18·63	...	140	30	21·4	R
Apl. 7	8·0		5	18·49	...		30	20·3	M
519		*Anon.*							
Jan. 31	9·1	10	7	12·48	5	129	58	43·0	R
Mar. 3	8·3		7	12·32	...		58	41·4	M
Apl. 10	8·0		7	12·32	...		58	41·5	M
520		*Anon.*							
Apl. 11	9·1	10	9	6·38	...	139	53	14·9	M
13	8·7		9	6·49	...		53	17·0	M
521		*Taylor* 4577.							
Mar. 2	9·0	10	9	52·95	6	128	37	32·7	R
522		*Anon.*							
Apl. 18	8·2	10	9	55·67	4	145	34	57·5	R
523		*Anon.*							
Apl. 19	9·5	10	10	20·55	...	139	51	46·6	R
524		41 *Leonis* γ^1							
Mar. 12	...	10	12	34·81	...	69	28	56·0	M
13	...		12	34·88	...		28	57·8	M
14	...		12	34·89	...		28	56·4	M
Apl. 4	...		12	34·88	...		28	53·8	M
5	...		12	34·75	...		28	55·4	M
525		*Anon.*							
Mar. 2	9·6	10	12	56·57	...	128	37	31·3	R
526		*Anon.*							
Apl. 6	8·9	10	14	42·27	...	150	26	11·3	M
7	8·3		14	42·50	...		26	12·7	M
527		*Anon.*							
Apl. 17	9·3	10	16	14·56	...	75	25	6·8	R
528		*Anon.*							
Apl. 12	8·1	10	16	17·15	...	129	16	49·0	M
21	8·3		16	17·05	4		16	53·6	R
529		*Taylor* 4653.							
Mar. 3	8·0	10	18	6·11	...	151	23	49·7	M
Apl. 9	8·0		18	6·27	...		23	50·6	M
530		44 *Leonis.*							
Feb. 1	...	10	18	11·29	...	80	32	[illegible]	M
Mar. 27	...		18	11·30	5		32	10·7	R
28	...		18	11·36	...		32	11·4	R

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Number and Date.	Magnitude.	Mean Right Ascension 1866. h.	m.	s.	No. of Wires.	Mean Polar Distance 1866. °	′	″	Observer.
531			*Anon.*						
Apl. 18	9·5	10	18	49·75	...	146	9	4·4	R
532			*Anon.*						
Mar. 21	8·8	10	21	56·80	...	146	55	30·5	R
Apl. 13	7·0		21	57·00	...		55	30·7	M
16	7·8		21	56·81	5		55	31·7	R
533			*Anon.*						
Mar. 2	9·5	10	22	0·54	...	146	59	37·0	R
Apl. 11	9·2		22	0·57	...		59	35·5	M
17	9·5		22	0·22	5		59	38·5	R
534			*Anon.*						
Apl. 19	10·2	10	23	28·48	...	76	5	55·5	R
535			*Anon.*						
Mar. 9	8·4	10	24	9·95	...	146	55	43·1	M
Apl. 13	8·4		24	10·11	4		55	42·7	M
14	8·4		24	10·17	...		55	40·6	M
536			*Anon.*						
Apl. 23	8·5	10	24	29·95	5	146	59	31·0	M
537			*Anon.*						
Mar. 21	9·8	10	25	44·59	...	146	54	45·6	R
Apl. 10	8·4		25	44·72	...		54	43·3	M
12	9·0		25	44·73	...		54	43·0	M
16	8·3		25	44·64	5		54	45·3	R
538			*47 Leonis ρ*						
Jan. 31	...	10	25	45·26	...	80	0	17·7	R
Mar. 8	...		25	45·15	...		0	19·3	M
12	...		25	45·20	...		0	14·0	M
23	...		25	45·28	...		0	18·1	R
24	...		25	45·19	5		0	19·1	R
Apl. 4	...		25	45·13	...		0	13·7	M
539			*Anon.*						
Apl. 6	9·2	10	26	34·02	5	152	36	22·7	M
7	8·9		26	34·07	5		36	25·4	M
21	9·3		26	33·98	5		36	23·6	R
540			*p Carinae.*						
Apl. 9	5·0	10	27	15·82	...	150	50	50·6	M
541			*Anon.*						
Apl. 17	9·7	10	28	9·13	4	150	50	32·6	R
18	9·5		28	8·98	...		50	32·0	R
542			*Anon.*						
Apl. 19	10·1	10	29	16·79	5	117	55	12·9	R
543			*Taylor 4769.*						
Mar. 2	5·5	10	30	26·91	...	146	51	52·5	R
544			*Anon.*						
Apl. 17	9·5	10	34	57·27	4	139	17	15·6	R
545			*Anon.*						
Apl. 5	8·0	10	33	7·52	...	149	6	17·0	M
23	...		33	7·60	5		6	17·1	M
546			*Taylor 4824.*						
Apl. 4	8·3	10	36	10·72	...	148	58	37·9	M
6	6·9		36	10·68	4		58	40·2	M
9	7·6		36	10·79	...		58	40·6	M
12	7·7		36	10·90	4		58	37·4	M
21	7·4		36	10·67	...		58	35·8	M
547			*Anon.*						
Apl. 18	9·0	10	37	34·09	...	151	29	57·5	R
21	9·0		37	34·17	5		29	57·4	R

Separate Results of Madras Meridian Circle Observations in 1866.

Number and Date.	Magnitude.	Mean Right Ascension 1866. h. m. s.	No. of Wires.	Mean Polar Distance 1866. ° ′ ″	Observer.
548		*Taylor* 4849.			
Mar. 2	8·0	10 38 44·15	...	149 24 54·7	R
Apl. 13	6·3	38 44·21	5	24 56·0	M
14	6·7	38 44·38	...	24 53·7	M
549		*Anon.*			
Apl. 11	9·0	10 39 33·76	...	148 51 40·1	M
550		*η Argûs Var.* 1.			
Mar. 22	...	10 39 52·22	...	148 58 53·0	R
551		*Anon.*			
Apl. 10	9·0	10 41 2·21	4	137 1 36·0	M
552		*Anon.*			
Mar. 3	9·5	10 42 0·30	...	149 23 29·0	R
Apl. 7	8·0	42 0·18	...	23 31·3	M
553		53 *Leonis l*			
Feb. 1	...	10 42 12·64	...	78 44 49·5	R
Mar. 15	...	42 12·73	...	44 49·3	M
24	...	42 12·70	...	44 49·1	R
Apl. 19	...	42 12·73	...	44 48·2	R
554		*Anon.*			
Apl. 16	9·5	10 42 23·85	...	75 5 29·1	R
555		*Anon.*			
Apl. 20	9·0	10 42 41·45	...	111 5 1·4	R
556		*Taylor* 4886.			
Apl. 10	6·9	10 42 53·76	5	137 2 35·3	M
557		*Anon.*			
Apl. 21	8·2	10 42 57·95	6	137 3 36·5	R
558		*Anon.*			
Apl. 5	7·9	10 45 9·32	...	141 45 43·9	M
17	8·0	45 9·18	...	45 43·5	R
27	7·0	45 9·04	5	45 42·3	R
559		*Lacaille* 4502.			
Apl. 9	7·8	10 46 35·17	...	141 5 23·4	M
23	7·0	46 35·34	...	5 23·3	M
560		*Taylor* 4915.			
Apl. 12	8·0	10 46 37·78	...	135 30 19·5	M
28	8·0	46 37·75	...	30 23·8	R
561		*Anon.*			
Mar. 20	9·4	10 48 4·57	...	129 29 51·3	R
Apl. 19	9·5	48 4·27	...	29 51·0	R
562		*Anon.*			
Apl. 5	8·2	10 48 21·28	...	141 45 31·0	M
563		*Taylor* 4945.			
Apl. 13	7·0	10 49 0·94	...	144 54 21·5	M
14	7·0	49 0·91	...	54 18·9	M
564		*Taylor* 4955.			
Apl. 7	7·0	10 50 45·59	5	147 20 16·5	M
565		*Anon.*			
Apl. 18	9·3	10 52 0·49	6	143 46 7·7	M
566		59 *Leonis c*			
Feb. 28	...	10 53 47·98	...	83 10 47·7	R
Mar. 1	...	53 48·00	...	10 48·9	R
567		*Anon.*			
Apl. 16	8·8	10 53 52·71	...	135 32 28·1	R
27	8·0	53 52·63	..	32 26·3	R
28	8·9	53 52·69	...	32 26·3	R

Separate Results of Madras Meridian Circle Observations in 1866.

Number and Date.	Magnitude.	Mean Right Ascension. 1866. h. m. s.	No. of Wires.	Mean Polar Distance 1866. ° ′ ″	Observer.
568		*50 Ursae Majoris α, Dubhe.*			
Apl. 24	..	10 55 36·08	...	27 31 38·9	M
569		*Anon.*			
Apl. 11	9.1	10 55 42·81	...	149 17 23·4	M
23	8·2	55 42·85	...	17 25·4	M
570		*Anon.*			
Apl. 13	9·0	10 57 4·66	...	145 33 5·9	M
571		*Anon.*			
Apl. 17	9·3	10 57 6·95	...	145 36 20·4	R
572		*Lacaille 4576.*			
May 3	7·7	10 57 54·24	...	129 35 8·3	M
11	7·9	57 54·41	5	35 12·8	M
573		*63 Leonis χ*			
Feb. 28	...	10 58 6·32	5	81 56 27·6	R
Mar. 16	...	58 6·17	...	56 28·7	R
17	...	58 6·16	...	56 28·8	R
21	...	58 6·18	...	56 27·7	R
23	...	58 6·25	...	56 24·4	R
24	...	58 6·29	...	56 25·1	R
26	...	58 6·19	...	56 28·7	R
Apl. 19	...	58 6·20	...	56 24·8	R
574		*Anon.*			
Apl. 18	8·6	10 58 17·03	5	140 59 54·9	R
May 9	9·0	58 17·48	6	59 50·0	M
10	8·6	58 17·32	5	59 52·4	M
575		*Lacaille 4595.*			
Apl. 9	8·1	10 59 26·93	5	148 59 30·9	M
10	9·0	59 27·06	...	59 27·6	M
14	8·0	59 27·25	6	59 28·1	M

Number and Date.	Magnitude.	Mean Right Ascension 1866. h. m. s.	No. of Wires.	Mean Polar Distance 1866. ° ′ ″	Observer.
576		*Anon.*			
May. 4	8·3	11 1 6·68	...	133 34 12·4	M
577		*67 Leonis.*			
Apl. 21	6·0	11 1 37·21	...	64 37 5·6	R
578		*Lalande 21371.*			
Apl. 27	7·8	11 3 36·68	...	77 58 18·0	R
579		*Lalande 21416.*			
Mar. 3	8·2	11 5 5·02	...	67 13 1·8	R
580		*Anon.*			
Apl. 17	10·3	11 5 47·33	4	83 51 4·8	R
581		*Anon.*			
Mar. 19	8·4	11 5 54·51	...	148 59 22·6	M
582		*68 Leonis δ.*			
Mar. 23	...	11 6 58·65	...	68 44 35·7	R
24	...	6 58·63	...	44 35·5	R
Apl. 7	...	6 58·67	...	44 35·0	M
10	...	6 58·63	...	44 36·2	M
11	...	6 58·60	...	44 36·6	M
12	...	6 58·42	...	44 32·3	M
14	...	6 58·53	...	44 36·0	M
583		*Anon.*			
Apl. 21	8·0	11 7 12·22	5	145 40 55·0	R
28	7·0	7 12·50	...	40 55·3	M
584		*Anon.*			
Apl. 18	5·9	11 8 38·63	...	150 51 29·0	R
585		*Anon.*			
Apl. 28	9·3	11 9 33·98	...	145 55 53·7	R

Separate Results of Madras Meridian Circle Observations in 1866.

Number and Date.	Magnitude.	Mean Right Ascension 1866. h.	m.	s.	No. of Wires.	Mean Polar Distance 1866. °	′	″	Observer.
586		*74 Leonis φ*							
Mar. 28	...	11	9	50·98	...	92	55	13·1	R
587		*Anon.*							
May 3	8·0	11	11	13·76	...	127	38	57·6	M
588		*12 Crateris δ*							
Mar. 16	...	11	12	38·64	...	104	3	15·2	R
21	...		12	38·53	...		3	14·5	R
22	...		12	38·60	...		3	14·3	R
26	...		12	38·60	5		3	14·1	R
Apl. 6	...		12	38·59	...		3	13·5	M
11	...		12	38·68	...		3	12·1	M
13	...		12	38·53	...		3	14·4	M
14	...		12	38·56	...		3	11·7	M
16	...		12	38·54	...		3	14·4	R
19	...		12	38·49	...		3	13·6	R
21	...		12	38·51	...		3	13·7	R
589		*Anon.*							
Apl. 27	8·3	11	12	51·23	...	129	32	47·0	R
May 4	7·7		12	51·20	...		32	43·9	M
590		*Anon.*							
Mar. 23	8·0	11	15	55·63	...	128	22	15·7	R
Apl. 17	7·5		15	55·42	...		22	15·9	R
28	7·8		15	55·65	...		22	15·6	R
591		*Lacaille 4726.*							
Apl. 23	7·0	11	16	10·78	...	145	52	10·0	R
592		*Taylor 5220.*							
Mar. 3	7·8	11	19	6·10	3	131	56	10·5	M
593		*Anon.*							
Apl. 27	7·8	11	19	30·67	..	129	31	38·2	R
594		*84 Leonis τ*							
Feb. 1	..	11	21	2·82	5	86	21	22·8	M
595		*Anon.*							
Mar. 23	9·8	11	21	48·06	5	128	23	27·1	R
596		*Taylor 5245—2nd.*							
Apl. 18	8·3	11	22	8·38	...	131	56	26·9	R
21	8·5		22	8·39	...		56	26·6	R
597		*Anon.*							
Mar. 16	8·0	11	22	29·33	6	129	4	56·5	R
598		*Anon.*							
Apl. 28	8·9	11	22	53·83	...	145	54	23·2	R
599		*Anon.*							
May 3	9·6	11	23	29·47	6	23	21	52·2	M
600		*Anon.*							
Apl. 16	9·0	11	24	40·63	...	146	9	38·0	R
601		*Anon.*							
Mar 6	9·3	11	24	46·91	...	84	43	3·4	M
602		*Anon.*							
Apl. 27	9·4	11	25	53·40	...	128	23	25·6	R
603		*Anon.*							
May 8	8·8	11	26	20·89	6	143	51	55·8	R
604		*Anon.*							
Apl. 27	9·0	11	28	25·63		128	20	47·5	R
28	9·6		28	25·74	..		20	47·7	R

Separate Results of Madras Meridian Circle Observations in 1866.

Number and Date.	Magnitude.	Mean Right Ascension 1866. h.	m.	s.	No. of Wires.	Mean Polar Distance. 1866. °	′	″	Observer.
605 *λ Centauri.*									
Feb. 1	5·0	11	29	37·29	...	152	16	45·4	M
Apl. 24	5·0		29	37·06	...		16	40·8	M
May 4	5·8		29	37·08	...		16	41·4	M
606 *Anon.*									
Apl. 9	7·9	11	29	56·62	5	149	16	22·7	M
607 91 *Leonis υ*									
Mar. 1	...	11	30	5·19	...	90	5	5·6	R
2	...		30	5·25	...		5	5·0	R
20	...		30	5·34	...		5	4·7	R
28	...		30	5·38	...		5	5·7	R
Apl. 6	...		30	5·32	...		5	3·5	M
7	...		30	5·24	...		5	5·2	M
13	...		30	5·36	...		5	4·6	M
18	...		30	5·19	...		5	4·4	R
21	...		30	5·21	...		5	4·4	R
23	...		30	5·32	...		5	3·5	M
608 *Anon.*									
May 10	9·3	11	32	14·96	6	144	15	11·4	M
609 *Anon.*									
May 11	8·2	11	33	13·21	...	144	15	15·7	M
610 *W. B. E. XI.* 571.									
Feb. 2	7·9	11	33	32·07	...	88	18	20·7	M
Mar. 17	8·0		33	31·78	...		18	22·5	R
19	8·0		33	31·90	...		18	23·2	R
611 *Anon.*									
Apl. 28	8·0	11	34	3·32	...	127	49	50·4	R
612 *Anon.*									
May 3	8·6	11	34	26·14	...	141	21	21·9	M
613 *Anon.*									
Apl. 16	9·3	11	36	9·02	...	139	40	56·2	R
18	9·0		36	8·84	...		40	57·1	R
614 *Taylor* 5384.									
Apl. 24	6·0	11	37	8·55	...	151	44	44·0	M
615 *Anon.*									
Apl. 27	8·9	11	38	48·00	...	129	34	43·1	R
616 *Anon.*									
Mar. 20	9·5	11	41	2·81	5	149	52	44·0	R
617 *Anon.*									
Mar. 2	9·2	11	41	14·88	...	126	31	5·5	R
618 94 *Leonis β*									
Mar. 3	...	11	42	13·38	...	74	40	44·5	M
Apl. 5	...		42	13·29	...		40	48·2	M
6	...		42	13·25	...		40	48·3	M
7	...		42	13·37	...		40	46·4	M
10	...		42	13·31	...		40	46·9	M
11	...		42	13·18	...		40	46·3	M
18	...		42	13·45	...		40	45·8	R
20	...		42	13·25	...		40	46·0	R
21	...		42	13·36	.		40	47·7	R
619 *Taylor* 5421.									
Mar. 24	8·0	11	43	16·96	...	129	31	56·0	R
Apl. 27	7·5		43	16·92	...		31	54·1	R
May 4	7·7		43	16·95	...		31	51·9	M
620 5 *Virginis β*									
Mar. 1	...	11	43	42·98	...	87	28	22·6	R
621 *Taylor* 5427.									
Feb. 2	6·6	11	44	11·33	...	94	35	30·9	M

Separate Results of Madras Meridian Circle Observations in 1866.

Number and Date.	Magnitude.	Mean Right Ascension 1866. h.	m.	s.	No. of Wires.	Mean Polar Distance 1866. °	′	″	Observer.
622 *Taylor* 5433.									
Mar. 24	8·2	11	44	57·38	6	120	33	41·7	n
623 *Groombridge* 1830.									
Mar. 22	8·4	11	45	14·86	...	51	19	18·2	n
May 3	7·2		45	14·75	...		19	16·6	M
7	7·0		45	14·76	...		19	15·4	M
624 64 *Ursae Majoris* γ									
Apl. 12	...	11	46	46·81	...	35	33	37·7	M
625 *Lacaille* 4937.									
Mar. 23	7·7	11	48	21·24	...	152	32	2·1	n
Apl. 13	7·0		48	21·38	...		32	3·9	M
May 10	7·0		48	21·45	...		32	0·4	M
626 *Lacaille* 4946.									
Apl. 21	...	11	50	15·62	5	152	30	10·3	M
May 5	...		50	15·76	4		30	14·2	M
10	8·0		50	15·98	3		30	12·5	M
11	8·3		50	15·83	6		30	14·1	M
14	8·0		50	15·88	...		30	14·3	M
627 *Anon.*									
Apl. 10	7·9	11	50	43·09	...	150	22	39·0	M
11	7·9		50	43·18	...		22	38·1	M
628 *Lacaille* 4956.									
Apl. 9	8·1	11	51	15·09	...	154	34	38·0	M
629 *Anon.*									
Apl. 27	9·5	11	52	45·35	4	154	38	59·3	n
28	9·8		52	45·47	...		38	57·8	n
630 *Taylor* 5534.									
Mar. 21	...	11	56	55·62	...	143	58	1·5	n
631 *R. P. L* 89.									
Apl. 23	...	11	57	57·35	5	3	40	17·3	n
May 3	...		57	57·64	3		40	15·0	M
4	...		57	58·44	3		40	15·3	M
12	...		57	57·23	2		40	16·3	M
632 *Anon.*									
Apl. 14	8·0	11	59	7·37	...	128	28	28·7	M
633 *Anon.*									
Mar. 27	9·5	11	59	37·59	6	150	20	16·7	n
Apl. 28	9·0		59	37·66	...		20	17·4	n
May 9	9·5		59	37·52	..		20	13·7	M
634 *Anon.*									
May 5	...	11	59	50·64	...	144	16	51·8	M
15	8·0		59	50·63	6		16	51·7	M
635 *Anon.*									
Apl. 9	8·2	12	1	13·94	...	150	22	9·4	M
636 *Anon.*									
May 14	9·4	12	1	43·43	4	130	2	16·6	M
637 *Lacaille* 5041.									
May 11	7·9	12	2	30·11		141	28	54·2	M
638 10 *Virginis.*									
Feb. 2	6·0	12	2	49·38	...	87	20	59·6	M
Mar. 30	...		2	49·26	.		21	1·5	n

Separate Results of Madras Meridian Circle Observations in 1866.

Number and Date.	Magnitude.	Mean Right Ascension 1866. h.	m.	s.	No. of Wires.	Mean Polar Distance 1866. °	′	″	Observer.
639			*2 Corvi ε*						
Apl. 6	...	12	3	14·18	...	111	52	27·2	M
10	...		3	14·20	...		52	25·5	M
11	...		3	14·27	...		52	25·2	M
12	...		3	14·40	...		52	24·7	M
13	...		3	14·24	...		52	28·1	M
14	...		3	14·26	4		52	25·4	M
16	...		3	14·22	...		52	28·3	R
17	...		3	14·13	...		52	28·9	R
18	...		3	14·09	...		52	28·2	R
24	...		3	14·07	...		52	25·3	M
May 8	...		3	14·39	4		52	28·2	M
640			*Anon.*						
Mar. 26	8·8	12	3	41·96	5	145	57	45·7	R
641			*Anon.*						
May 10	8·0	12	5	54·49	...	134	8	46·2	M
642			*Anon.*						
Apl. 5	8·0	12	6	18·80	5	138	28	12·5	M
643			*Anon.*						
May 17	9·2	12	6	35·48	...	142	51	20·6	R
644			*Anon.*						
May 4	8·7	12	11	58·00	...	150	23	29·9	M
11	8·6		11	58·30	6		23	31·8	M
645			*Taylor 5643.*						
May 3	6·9	12	12	37·09	...	152	6	33·5	M
646			*R. P. L. 92.*						
Apl. 25	...	12	13	55·34	3	3	49	8·6	R
647			*15 Virginis η*						
Mar. 2	...	12	13	3·00	6	89	55	20·5	R
3	...		13	2·99	...		55	20·7	M
Apl. 13	...		13	3·05	...		55	19·6	M
17	...		13	2·96	...		55	19·8	R
18	...		13	3·05	...		55	19·6	R
May 5	...		13	2·97	...		55	19·5	M
8	...		13	2·92	...		55	19·7	M
648			*Anon.*						
May 14	9·3	12	14	10·41	...	143	45	30·9	M
15	9·0		14	10·26	...		45	29·5	M
17	9·4		14	10·11	5		45	27·2	M
649			*Lacaille 5119.*						
Mar. 27	8·9	12	15	27·96	...	138	34	57·2	R
650			*Anon.*						
Apl. 7	7·9	12	15	58·38	...	141	40	36·7	M
12	8·0		15	58·36	...		40	33·7	M
651			*Anon.*						
May 10	8·3	12	16	32·76	...	147	10	25·3	M
652			*α Crucis—1st.*						
Mar. 28	...	12	19	10·01	5	152	21	24·2	R
May 18	...		19	10·49	...		21	22·2	R
653			*Anon.*						
May 22	8·8	12	19	23·96	...	144	4	50·0	R
654			*Anon.*						
Apl. 6	9·0	12	24	45·24	...	150	59	19·0	M
May 9	8·8		24	45·64	...		59	15·7	M

Separate Results of Madras Meridian Circle Observations in 1866.

Number and Date.	Magnitude.	Mean Right Ascension 1860. h.	m.	s.	No. of Wires.	Mean Polar Distance 1860. °	′	″	Observer.
655			*9 Corvi β*						
Apl. 5	...	12	27	21·24	...	112	39	19·3	M
17	...		27	21·07	...		39	20·8	R
21	...		27	21·04	...		39	20·7	R
23	..		27	21·19	..		39	19·0	M
May 5	...		27	21·15	...		39	19·4	M
19	...		27	21·21	...		39	18·8	R
21	...		27	21·13	..		39	19·6	R
25	...		27	21·17	...		39	20·6	R
656			*Anon.*						
May 10	8·4	12	27	55·79	..	141	40	33·6	M
657			*25 Virginis f*						
Apl. 27	..	12	29	53·47	...	95	5	34·8	R
658			*Anon.*						
May 4	8·8	12	30	57·38	...	142	20	19·5	M
659			*R Virginis Var. 2.*						
May 8	7·5	12	31	42·04	...	82	16	28·5	M
660			*Taylor 5830.*						
May 15	7·0	12	34	33·57	...	144	1	33·3	M
661			*29 Virginis γ¹*						
Mar. 2	...	12	34	52·29	...	99	42	50·5	R
31	...		34	52·25	...		42	49·6	R
Apl. 27	...		34	52·19	...		42	49·6	R
May 18	...		34	52·31	...		42	47·5	R
662			*S Ursae Majoris Var. 2.*						
May 26	9·7	12	38	3·87	4	28	10	21·3	R
663			*Taylor 5863.*						
Apl. 12	7·7	12	38	28·66	...	143	52	42·3	M
May 10	6·9		38	28·35	...		52	42·4	M
21	8·0		38	28·36			52	43·3	R
22	7·4		38	28·53	5		52	43·1	R
664			*Anon.*						
May 22	9·0	12	39	32·57	4	143	50	58·3	R
665			*Anon.*						
May 16	8·0	12	42	31·26	...	147	19	23·3	R
28	9·5		42	31·37	...		19	23·1	R
666			*Anon.*						
May 14	8·0	12	44	50·65	6	141	56	17·7	M
15	8·0		44	50·38	...		56	16·8	M
667			*R. P. L. 99.*						
Apl. 5	...	12	48	10·68	2	5	51	33·0	M
14	...		48	10·35	3		51	32·0	M
668			*Anon.*						
May 11	9·0	12	48	35·11	...	125	25	59·5	M
669			*Anon.*						
May 22	9·0	12	48	59·92	...	149	24	55·6	R
670			*12 Canis Venaticorum.*						
Apl. 21	...	12	49	45·33	...	50	57	27·1	M
671			*Taylor 5974.*						
May 9	8·0	12	52	1·50	...	143	30	10·6	M
672			*Anon.*						
May 14	9·0	12	55	9·56	5	124	23	41·6	M
16	8·3		55	9·65	5		23	41·5	R
17	9·0		55	9·70	...		23	41·7	R
673			*48 Virginis.*						
Mar. 30	...	12	57	0·22	...	92	56	31·3	R
31	...		57	0·31	...		56	31·2	R

Separate Results of Madras Meridian Circle Observations in 1866.

Number and Date.	Magnitude.	Mean Right Ascension 1866. h.	m.	s.	No. of Wires.	Mean Polar Distance 1866. °	′	″	Observer.
674	*Anon.*								
May 22	9·3	12	57	5·97	...	123	25	50·0	R
675	*Lacaille* 5381.								
Apl. 11	7·9	12	57	14·68	...	129	57	43·1	M
676	*Anon.*								
May 28	9·5	12	58	12·73	...	121	29	21·4	R
677	*Anon.*								
May 11	8·0	12	58	22·57	4	124	23	31·8	M
14	7·0		58	22·26	...		23	31·7	M
678	*Taylor* 6025.								
Apl. 10	8·0	12	59	31·13	...	123	24	0·8	M
May 22	7·3		59	31·27	...		24	4·1	R
23	7·7		59	31·24	5		24	2·5	R
679	51 *Virginis θ*								
Mar. 8	...	13	3	0·73	...	94	49	22·8	M
Apl. 27	...		3	0·86	...		49	22·3	R
May 4	...		3	0·71	...		49	21·0	M
9	...		3	0·81	...		49	20·6	M
25	...		3	0·76	...		49	23·6	R
29	...		3	0·78	...		49	21·2	R
680	*W Virginis Var.* 1.								
Apl. 19	8·0	13	7	0·49	...	105	50	33·7	R
May 22	8·3		7	0·67	...		50	33·4	R
681	*R. P. L.* 101—*s.p.*								
Oct. 25	...	13	10	3·63	3	1	37	56·3	R
Nov. 3	...		10	3·80	1		37	56·2	R
14	...		10	4·64	2		37	57·3	R
682	*Anon.*								
May 16	8·3	13	12	29·08	5	122	57	12·3	R
683	*Taylor* 6148.								
May 11	7·0	13	14	18·63	...	128	8	57·6	M
17	7·5		14	18·49	...		8	57·2	R
22	7·7		14	18·51	...		8	57·7	R
684	*O. A. N.* 13563.								
May 26	9·1	13	15	28·84	...	27	53	51·8	R
685	*Anon.*								
Apl. 21	9·5	13	17	18·66	6	128	10	5·2	R
May 17	9·7		17	18·90	..		10	3·1	R
686	67 *Virginis α, Spica.*								
Mar. 3	...	13	18	8·14	...	100	27	39·2	M
31	...		18	8·17	...		27	39·8	R
Apl. 27	...		18	8·12	...		27	40·9	R
28	...		18	8·20	...		27	40·8	R
May 21	...		18	8·08	...		27	40·4	R
687	*Lacaille* 5546.								
May 28	9·2	13	19	48·77	...	143	28	6·4	R
688	*R. P. L.* 103.								
Apl. 19	...	13	20	11·27	3	4	33	45·7	R
689	*Anon.*								
May 26	10·7	13	23	24·21	5	88	38	33·4	R
690	*Anon.*								
Apl. 21	8·9	13	24	54·30	...	128	9	19·5	R
May 16	9·0		24	54·36	.		9	18·2	R
691	*Anon.*								
June 9	9·0	13	25	3·86	6	124	9	43·9	M

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Number and Date.	Magnitude.	Mean Right Ascension 1866. h. m. s.	No. of Wires.	Mean Polar Distance 1866. ° ′ ″	Observer.
692		*76 Virginis h*			
Mar. 31	...	13 25 54·80	...	99 28 21·7	R
Apl. 27	...	25 54·79	...	28 21·2	R
28	..	25 54·72	...	28 26·1	R
693		*S Virginis Var. 6.*			
May 1	8·0	13 26 0·03	...	96 30 21·6	R
15	7·5	26 0·17	...	30 19·3	M
June 7	6·9	26 0·15	...	30 21·1	M
694		*79 Virginis ζ*			
May 5	...	13 27 51·81	...	89 54 36·6	M
22	...	27 52·02	...	54 35·4	R
28	...	27 52·10	...	54 36·1	R
29	...	27 52·00	...	54 34·1	R
695		*Taylor* 7183.			
Apl. 19	7·0	13 28 30·50	...	131 43 46·4	R
30	7·0	28 30.56	...	43 45·5	R
696		*Anon.*			
June 8	7·7	13 33 5·21	5	129 2 11·1	M
697		*Anon.*			
May 28	9·5	13 34 10·06	...	129 10 33·4	R
698		*82 Virginis m.*			
Mar. 31	..	13 34 34·96	..	98 1 33·5	R
699		*Anon.*			
May 1	8·2	13 35 49·90	...	123 4 4·0	R
700		*Anon.*			
Apl. 30	9·2	13 36 21·54	...	128 5 57·1	R
701		*Taylor 6366.*			
June 5	7·5	13 37 1·26	4	131 46 42·2	M
702		*Anon.*			
Apl. 19	7·8	13 37 38·07	5	128 40 54·2	R
703		*Anon.*			
June 9	6·6	13 43 21·36	...	123 7 7·8	M
704		*Anon.*			
June 7	8·2	13 43 31·20	M	123 13 40·9	M
8	8.6	43 30·97	M	13 40·0	M
705		*Anon.*			
Apl. 19	8·3	13 44 22·04	5	127 57 20·9	R
706		8 *Bootis* η			
Apl. 25	...	13 48 18·22	...	70 55 44·4	R
May 1	...	48 18·26	...	55 46·9	R
3	...	48 18·30	...	55 45·8	M
4	...	48 18·31	..	55 43·5	M
June 12	...	48 18·14	...	55 47·6	M
707		*Anon.*			
June 9	8·8	13 52 22·74	...	151 31 14·6	M
708		*β Centauri.*			
Apl. 27	...	13 54 23·72	4	149 43 29·4	R
May 18	...	54 24·18	4	43 30·3	R
709		*93 Virginis τ*			
May 1	...	13 54 49·68	...	87 48 21·1	R
4	...	54 49·56	...	48 24·0	M
7	...	54 49·70	...	48 20·6	M
8	...	54 49·61	4	48 22·4	M
11	...	54 49·67	...	48 24·3	M
14	...	54 49·74	...	48 21·0	M
16	...	54 49·60	...	48 19·8	R
17	...	54 49·77	...	48 20·5	R
26	...	54 49·66	...	48 21·4	R
June 1	...	54 49·72	...	48 19·6	M
6	...	54 49·64	...	48 21·4	M

Separate Results of Madras Meridian Circle Observations in 1866.

Number and Date.	Magnitude.	Mean Right Ascension 1866. h. m. s.	No. of Wires.	Mean Polar Distance 1866. ° ′ ″	Observer.
710		*Lacaille* 5794.			
June 8	6·9	13 57 13·97	5	152 48 8·2	M
711		94 *Virginis.*			
May 25	...	13 59 12·18	...	98 15 3·1	R
712		*Taylor* 6570.			
June 5	8·4	14 0 9·90	...	149 56 38·8	M
713		*R. P. L.* 108—*s.p.*			
Dec. 6	...	14 3 39·57	2	3 36 3·2	M
714		*Taylor* 6616.			
June 9	5·9	14 5 38·86	...	146 27 24·1	M
715		98 *Virginis* κ			
Apr. 28	...	14 5 45·09	...	99 38 54·3	R
May 25	...	5 45·05	...	38 54·7	R
716		16 *Bootis* α, *Arcturus.*			
May 1	...	14 9 33·06	...	70 7 7·9	R
3	...	9 32·99	...	7 10·0	M
11	...	9 33·04	...	7 8·6	M
12	...	9 33·18	...	7 7·7	M
14	...	9 32·96	...	7 8·8	M
16	...	9 33·02	...	7 7·1	R
17	...	9 32·97	...	7 7·4	R
June 5	...	9 33·01	...	7 8·7	M
6	...	9 33·09	...	7 9·8	M
8	...	9 33·09	...	7 10·2	M
12	...	9 33·09	...	7 8·6	M
717		*Anon.*			
June 7	8·2	14 14 35·47	...	150 46 39·8	M
9	7·9	14 35·45	...	46 39·3	M
718		*Taylor* 6721.			
June 8	7·9	14 17 39·09	..	101 3 32·4	M
719		*Taylor* 6740.			
May 17	8·0	14 19 12·77	...	133 43 29·0	R
720		*Anon.*			
May 16	8·5	14 20 4·88	...	127 9 26·0	R
721		25 *Bootis* ρ			
May 3	...	14 26 3·14	...	59 2 23·4	M
14	...	26 3·23	...	2 22·6	M
26	...	26 3·23	5	2 21·4	R
June 6	...	26 3·17	5	2 20·4	M
8	...	26 3·13	3	2 24·1	M
722		ο *Centauri*—1*st.*			
May 16	...	14 30 31·29	...	150 16 55·2	R
21	...	30 31·34	...	16 56·4	R
June 26	...	30 31·09	...	16 54·3	R
723		36 *Bootis* ε (*Mirac.*)			
May 14	...	14 39 8·02	...	62 21 36·1	M
June 5	...	39 7·78	...	21 36·7	M
6	...	39 8·06	...	21 34·4	M
12	...	39 8·09	...	21 35·7	M
724		9 *Librae* α[2]			
Apl. 30	...	14 43 28·02	...	105 28 59·9	R
May 2	...	43 28·08	...	28 60·2	R
28	...	43 28·13	...	28 59·1	R
June 12	...	43 28·13	5	28 59·5	M
725		*O. A. S.* 14112.			
June 5	7·8	14 50 50·78	...	100 11 13·5	M
6	...	50 50·96	...	11 12·6	M
7	7·9	50 50·90	...	11 13·9	M
726		*Anon.*			
June 6	9·0	14 51 26·94	5	30 30 [illegible]	M

Separate Results of Madras Meridian Circle Observations in 1866.

Number and Date.	Magnitude.	Mean Right Ascension 1866. h.	m.	s.	No. of Wires.	Mean Polar Distance 1866. °	′	″	Observer.
727		*O. A. N.* 15004.							
June 8	7·8	14	53	56·56	5	30	21	32·9	M
728		*Taylor* 7017.							
June 9	7·0	14	57	14·77	...	150	36	26·0	M
729		43 *Bootis* ψ							
May 16	...	14	58	42·22	...	62	31	45·5	R
26	...		58	42·22	...		31	42·0	R
June 16	...		58	42·19	5		31	43·2	R
26	...		58	42·26	...		31	43·6	R
29	...		58	42·21	...		31	43·2	R
730		21 *Librae* ν[1]							
Apl. 30	...	14	59	9·15	...	105	44	6·8	R
731		*R. P. L.* 111.							
May 23	...	15	5	29·87	3	5	31	53·9	R
732		27 *Librae* β							
May 18	...	15	9	47·98	...	98	53	10·8	R
June 5	...		9	47·87	...		53	11·6	M
8	...		9	47·91	3		53	8·3	M
9	...		9	47·92	...		53	10·4	M
16	...		9	47·85	...		53	13·0	R
22	...		9	47·93	...		53	12·0	R
25	...		9	47·86	...		53	13·1	R
26	...		9	47·85	...		53	11·0	R
733		*Anon.*							
July 17	9·0	15	14	19·77	5	123	7	55·6	R
734		*S. Serpentis Var* 3.							
May 21	10·2	15	15	23·30	6	75	12	12·9	R
735		*S Coronae Borealis Var* 2.							
June 29	9·3	15	15	56·32	5	58	8	58·5	R
736		*Lacaille* 6377.							
May 23	8·0	15	19	1·81	5	130	11	20·4	R
737		*Anon.*							
May 23	9·3	15	20	31·65	5	130	9	1·0	R
738		*W. B. E. XV.* 395.							
May 22	8·9	15	22	5·17	...	101	15	55·8	R
739		*Taylor* 7220.							
June 26	...	15	22	14·02	...	123	6	59·2	R
July 17	...		22	14·13	4		7	1·1	R
740		38 *Librae* γ							
May 28	...	15	28	2·03	...	104	20	21·3	R
741		5 *Coronae Borealis* α, *Alpheta.*							
June 7	...	15	29	0·93	...	62	49	59·7	M
16	...		29	0·95	6		50	1·1	R
29	...		29	0·92	...		49	58·0	R
July 17	...		29	0·74	...		49	57·3	R
742		*W. B. E. XV.* 587.							
June 5	7·8	15	31	59·69	3	103	27	58·9	M
743		*W. B. E. XV.* 645.							
May 22	9·1	15	34	29·23	5	102	19	46·2	R
744		*Anon.*							
May 21	8·5	15	34	58·63	...	129	1	50·3	R
745		24 *Serpentis* α							
May 2	...	15	37	40·06	...	83	9	2·6	R
June 23	...		37	40·01	...		9	4·5	R

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Number and Date.	Magnitude.	Mean Right Ascension 1866. h.	m.	s.	No. of Wires.	Mean Polar Distance 1866. °	′	″	Observer.
746			*O. A. S.* 14874.						
June 16	...	15	39	34·98	...	104	49	3·6	R
747			*O. A. S.* 14934.						
July 7	9·6	15	42	56·11	...	107	52	48·1	M
24	9·3		42	56·23	5		52	47·3	M
748			*W. B. E. XV.* 838.						
June 6	7·7	15	44	6·09	...	104	27	21·5	M
749			*O. A. S.* 14963.						
July 23	7·0	15	44	35·18	...	108	1	54·7	M
750			46 *Librae θ*						
Apl. 30	...	15	46	11·79	...	106	20	1·7	R
May 1	...		46	11·85	...		20	0·6	R
751			*Radcliffe* 3462.						
May 23	8·0	15	46	24·70	...	47	1	55·2	R
752			16 *Ursae Minoris* ζ						
July 16	...	15	48	55·08	4	11	47	40·3	R
753			49 *Librae.*						
May 31	...	15	52	48·58	...	106	8	9·1	R
754			8 *Scorpii β*¹						
Apl. 30	...	15	57	38·86	...	109	26	10·9	R
May 1	...		57	38·77	...		26	10·2	R
2	...		57	38·88	...		26	10·0	R
19	...		57	38·90	...		26	9·8	R
June 16	...		57	38·94	6		26	10·2	R
755			*O. A. S.* 15237.						
June 5	8·4	15	59	25·82	...	106	31	43·2	M
July 16	8·0		59	25·92	5		31	43·7	R
756			*Lalande* 29306.						
June 7	8·2	15	59	33·06	...	107	31	20·3	M
9	8·5		59	33·19	...		31	19·7	M
757			*R Herculis Var.* 2						
May 17	9·5	16	0	12·28	...	71	16	3·7	R
758			*Lalande* 29391.						
June 1	7·0	16	1	55·35	5	102	41	39·8	M
759			*O. A. S.* 15342.						
June 6	8·0	16	3	33·22	...	107	45	50·4	M
7	7·8		3	33·12	...		45	50·5	M
9	8·3		3	33·16	...		45	49·5	M
760			*R. P. L.* 116.						
May 26	...	16	4	16·82	3	4	19	5·9	R
			R. P. L. 116—*s.p.*						
Dec. 22	...	16	4	17·37	3	4	19	5·4	R
761			*Anon.*						
June 5	7·6	16	4	18·64	...	107	52	53·9	M
July 19	7·8		4	18·61	...		52	54·1	R
762			*Weisse XVI.* 83.						
May 18	9·0	16	6	9·60	...	102	41	24·6	R
763			1 *Ophiuchi δ.*						
June 19	...	16	7	19·46	...	93	20	51·3	R
27	...		7	19·53	...		20	49·9	R
July 6	...		7	19·60	5		20	49·8	M
16	...		7	19·30	...		20	50·4	R
20	...		7	19·47	...		20	51·0	R

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Number and Date.	Magnitude.	Mean Right Ascension 1866. h.	m.	s.	No. of Wires.	Mean Polar Distance 1866. °	′	″	Observer.
764			*Anon.*						
May 19	10·5	16	12	31·55	6	107	37	3·2	R
21	10·4		12	31·18	...		37	2·7	R
23	10·2		12	31·29	...		37	1·8	R
765			*Anon.*						
May 17	9·5	16	16	42·85	...	107	25	53·9	R
19	9·7		16	42·81	5		25	54·7	R
July 16	10·0		16	42·60	...		25	52·9	R
19	9·3		16	42·60	...		25	53·6	R
766			*Taylor* 8521.						
July 20	9·0	16	17	33·84	...	113	5	37·9	R
767			7 *Ophiuchi* χ						
May 23	...	16	19	15·72	...	108	8	57·6	R
768			21 *Scorpii* α, *Antares.*						
June 5	...	16	21	11·69	5	116	7	54·5	M
19	...		21	11·74	5		7	54·0	R
July 6	...		21	11·67	6		7	54·9	M
7	...		21	11·69	...		7	53·1	M
769			14 *Draconis* η						
July 19	...	16	22	10·92	4	28	10	54·3	R
770			9 *Ophiuchi* ω						
May 28	...	16	24	11·86	...	111	10	36·7	R
29	...		24	11·82	5		10	35·4	R
771			30 *Herculis* g *Var.* 5.						
June 6	6·0	16	24	14·54	5	47	49	20·8	M
July 20	6·0		24	14·57	4		49	20·1	R
772			*Taylor* 7723.						
May 1	...	16	33	49·40	...	107	28	47·3	R
2	...		33	49·45	...		28	46·9	R
773			α *Trianguli Australis.*						
July 16	...	16	34	30·39	...	158	46	38·1	R
774			40 *Herculis* ζ						
July 5	...	16	36	14·12	...	58	9	8·7	M
13	...		36	14·09	...		9	11·0	M
19	...		36	13·97	...		9	8·8	R
20	...		36	14·02	4		9	9·9	R
24	...		36	14·11	...		9	10·3	M
775			*Anon.*						
July 16	9·0	16	44	32·83	4	131	1	44·3	R
776			*Taylor* 7842.						
May 1	...	16	48	17·64	...	106	35	23·1	R
2	...		48	17·84	5		35	23·1	R
July 19	6·8		48	17·73	...		35	23·8	R
777			27 *Ophiuchi* κ						
July 5	...	16	51	19·42	...	80	24	51·4	M
13	...		51	19·44	4		24	52·5	M
17	...		51	19·49	...		24	52·2	R
20	...		51	19·56	...		24	51·3	R
778			*O. A. S.* 16232.						
July 19	9·6	16	54	4·72	5	110	14	52·8	R
779			*Anon.*						
July 16	9·0	16	55	23·80	...	100	56	47·3	R
780			22 *Ursae Minoris* ε—*s.p.*						
Jan. 5	...	16	59	48·76	5	7	44	51·1	M
15	...		59	48·08	2		44	53·5	M
22	...		59	48·84	5		44	53·1	R
781			35 *Ophiuchi* η.						
May 30	...	17	2	41·96	...	105	33	22·1	R

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Number and Date.	Magnitude.	Mean Right Ascension 1866. h.	m.	s.	No. of Wires.	Mean Polar Distance 1866. °	′	″	Observer.
782			*Anon.*						
July 19	...	17	5	52·61	5	130	50	34·2	R
783			*64 Herculis α Var. 1.*						
July 16	...	17	8	32·27	...	75	27	16·6	R
20	...		8	32·25	...		27	17·0	R
784			*42 Ophiuchi θ.*						
June 19	...	17	13	46·85	...	114	51	45·0	R
July 16	...		13	46·86	...		51	44·9	R
17	...		13	47·07	...		51	45·0	R
19	...		13	46·91	...		51	45·3	R
20	...		13	46·91	...		51	45·7	R
785			*Anon.*						
Aug. 17	7·9	17	28	12·21	...	130	43	35·1	M
786			*Anon.*						
Aug. 18	7·9	17	28	33·11	...	125	14	45·6	M
787			*35 Ophiuchi α.*						
July 16	...	17	28	42·81	...	77	20	24·5	R
19	...		28	42·83	4		20	24·0	R
Aug. 7	...		28	42·87	5		20	25·1	R
9	...		28	42·80	...		20	25·6	R
16	...		28	42·87	...		20	23·7	M
20	...		28	42·85	...		20	23·8	M
21	...		28	42·82	...		20	25·3	M
22	...		28	42·79	4		20	24·2	M
788			*55 Serpentis ξ.*						
May 2	...	17	29	54·80	...	105	18	40·3	R
29	...		29	55·00	5		18	39·2	R
789			*Lacaille 7406.*						
June 25	...	17	34	50·72	3	128	41	14·7	R
Aug. 10	7·7		34	50·59	6		41	14·2	R
790			*58 Ophiuchi.*						
June 26	...	17	35	24·09	5	111	36	54·0	R
791			*Anon.*						
Aug. 20	7·9	17	37	47·86	6	126	29	22·7	M
21	7·8		37	48·10	...		29	24·2	M
792			*86 Herculis μ*						
July 5	...	17	41	13·02	...	62	11	53·6	M
Aug. 10	...		41	12·87	...		11	57·4	R
11	...		41	12·89	5		11	57·7	R
22	...		41	12·83	...		11	56·3	M
793			*Lacaille 7504.*						
Aug. 9	7·0	17	48	40·45	5	129	6	52·9	R
794			*Lacaille 7517.*						
Aug. 17	7·7	17	52	34·31	...	140	10	25·4	M
795			*Lacaille 7518.*						
Aug. 16	7·9	17	52	53·80	5	140	12	16·4	M
796			*33 Draconis γ*						
Aug. 10	...	17	53	29·64	...	38	29	39·5	R
11	...		53	29·67	3		29	37·4	R
22	...		53	29·84	...		29	35·6	M
797			*Anon.*						
Aug. 18	7·9	18	3	8·15	...	89	1	12·3	M
798			*Anon.*						
Aug. 9	10·0	18	4	1·38	...	89	9	52·5	R

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799		*13 Sagittarii* μ^1							
May 30	...	18	5	45·03	...	111	5	26·6	R
31	...		5	44·98	...		5	27·7	R
June 26	...		5	44·95	...		5	26·1	R
July 13	...		5	45·08	...		5	27·2	M
19	..		5	44·98	...		5	26·0	R
Aug. 7	—		5	44·85	...		5	28·0	R
10	..		5	45·06	...		5	25·5	R
11	.		5	44·90	...		5	27·3	R
17	...		5	44·84	...		5	27·2	M
21	...		5	44·98	..		5	27·7	M
800		*Taylor* 8461.							
Aug. 7	...	18	14	33·17	...	134	10	22·7	R
801		*23 Ursae Minoris* δ							
July 5	...	18	15	33·84	5	3	23	44·6	M
Aug. 9	...		15	34·64	3		23	42·8	R
		23 Ursae Minoris δ—*s.p.*							
Feb. 3	...	18	15	34·81	2	3	23	45·7	M
10	...		15	34·72	3		23	42·6	M
802		*Lalande* 33845.							
Aug. 10	...	18	15	42·37	...	102	4	37·7	R
18	7·0		15	42·26	...		4	38·1	M
803		δ^2 *Telescopii.*							
Aug. 17	6·0	18	22	6·07	...	135	50	43·5	M
804		*Taylor* 8551.							
Aug. 16	7·2	18	27	28·74	...	149	13	28·4	M
805		*Anon.*							
Aug. 20	7·8	18	28	26·16	..	135	34	27·6	M
806		*3 Lyrae* α, *Vega.*							
Aug. 7	...	18	33	23·97	..	51	20	23·4	R
10	...		33	24·01	...		20	22·2	R
11	...		32	23·98	...		20	23·1	R
17	...		32	23·97	5		20	20·9	M
21	...		32	24·01	4		20	23·2	M
22	...		33	24·04	...		20	21·6	M
23	...		32	23·92	...		20	22·1	M
25	...		32	24·06	...		20	22·6	M
807		*Lacaille* 7832.							
Aug. 16	7·1	18	37	46·15	...	149	5	23·8	M
808		*R Scuti Var.* 1.							
Aug. 10	7·0	18	40	19·80	...	95	50	46·6	R
18	7·3		40	19·64	...		50	46·9	M
20	7·0		40	19·66	...		50	47·6	M
Sep. 8	6·9		40	19·51	6		50	46·4	M
809		*Lacaille* 7872.							
Aug. 22	6·5	18	42	29·23	5	136	44	55·5	M
29	6·5		42	29·17	...		44	55·3	R
810		*Lacaille* 7878.							
Aug. 25	6·7	18	43	2·30	...	136	44	33·4	M
30	7·5		43	2·38	...		44	31·3	R
811		*10 Lyrae* β *Var.* 1.							
Aug. 7	...	18	45	7·93	5	56	47	29·0	R
11	...		45	7·80	...		47	28·9	R
17	...		45	7·86	...		47	28·5	M
23	...		45	7·82	...		47	28·9	M
Sep. 7	...		45	7·93	..		47	28·9	M
812		*Anon.*							
Sep. 8	8·6	18	47	2·97	5	137	44	48·0	M
10	7·8		47	3·01	5		44	45·8	M

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813		37 *Sagittarii* ξ[1]							
June 27	...	18	49	44·24	...	111	16	48·3	R
814		13 *Lyrae Var.* 2.							
Aug. 7	...	18	51	15·36	4	46	13	43·9	R
9	5·3		51	15·29	5		13	44·5	R
16	4·9		51	15·28	...		13	44·1	M
20	5·6		51	15·45	...		13	43·7	M
815		*Ó. A. S.* 18960.							
Aug. 18	7·4	18	53	46·14	5	121	7	29·9	M
29	8·0		53	46·40	...		7	28·8	R
Sep. 7	7·4		53	46·05	6		7	30·4	M
816		*Anon.*							
Aug. 11	8·2	18	54	18·53	...	122	56	5·5	R
Sep. 12	7·7		54	18·50	5		56	5·5	M
13	...		54	18·45	5		56	4·4	M
817		39 *Sagittarii* o							
Aug. 21	...	18	56	39·02	3	111	56	7·1	M
22	...		56	39·06	...		56	4·7	M
818		17 *Aquilae* ζ.							
Aug. 3	...	18	59	14·96	...	76	20	0·9	R
17	...		59	15·02	...		20	1·2	M
23	...		59	14·97	...		20	0·8	M
25	...		59	14·94	...		20	0·1	M
Sep. 8	...		59	14·86	...		20	0·5	M
819		*Anon.*							
Aug. 11	9·4	19	0	57·83	...	81	1	21·2	R
820		41 *Sagittarii* π							
Aug. 21	...	19	1	47·63	3	111	14	2·0	M
23			1	47·41	...		14	1·1	M
821		*Anon.*							
Aug. 29	8·2	19	3	15·56	5	130	22	30·4	R
Sep. 10	7·7		3	15·40	.		22	32·6	M
12	7·9		3	15·26			22	34·1	M
822		*Anon.*							
Aug. 9	7·8	19	3	21·27	...	122	50	59·1	R
18	7·9		3	21·18	4		50	56·3	M
20	7·9		3	21·35	4		50	56·5	M
823		*Anon.*							
Sep. 14	9·0	19	7	14·35	.	120	47	29·4	M
824		*Anon.*							
July 20	7·0	19	8	2·66	6	123	7	0·7	R
24	7·1		8	2·66	...		7	1·3	M
Aug. 16	7·3		8	2·61	...		7	0·5	M
23	7·0		8	2·49	...		7	0·0	M
825		*Anon.*							
Aug. 11	9·8	19	8	26·72	5	120	48	30·2	R
826		*Anon.*							
Aug. 11	7·5	19	9	30·26	6	120	46	56·7	R
Sep. 14	7·0		9	30·08	4		46	56·3	M
827		*Anon.*							
Sep. 13	...	19	10	6·83	...	107	9	28·3	M
828		*Anon.*							
Aug. 26	7·6	19	10	13·29	...	133	30	47·6	M
829		25 *Aquilae* ω							
Aug. 3	...	19	11	21·53	5	78	38	38·5	R
Sep. 13	...		11	21·53	4		38	38·6	M

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830		*30 Aquilae δ*							
Aug. 16	...	19	18	41·42	...	87	9	0·2	M
18	...		18	41·39	...		9	0·7	M
20	...		18	41·39	...		8	59·5	M
21	...		18	41·38	...		9	1·3	M
23	...		18	41·35	...		9	0·8	M
29	...		18	41·33	...		8	59·2	R
Sep. 12	...		18	41·40	...		9	0·6	M
13	...		18	41·42	...		9	0·1	M
14	...		18	41·44	...		8	59·5	M
831		*Taylor* 8950.							
Sep. 7	6·3	19	22	18·24	...	143	27	51·1	M
15	6·2		22	18·52	...		27	50·3	M
832		*52 Sagittarii h²*							
Aug. 18	...	19	28	32·87	...	115	10	34·0	M
20	...		28	32·85	...		10	36·1	M
22	...		28	32·89	...		10	34·5	M
30	...		28	32·96	...		10	34·6	R
Sep. 8	...		28	32·94	...		10	36·0	M
833		*Lacaille* 8173.							
Sep. 7	7·7	19	31	46·08	6	143	15	16·7	M
834		*Anon.*							
Sep. 10	8·4	19	34	31·56	...	127	16	47·6	M
835		*56 Sagittarii f*							
Aug. 22	...	19	38	32·47	...	110	4	50·2	M
23	...		38	32·55	...		4	51·7	M
836		*50 Aquilae γ*							
Aug. 9	...	19	39	53·28	...	79	42	41·0	R
16	...		39	53·21	...		42	40·2	M
18	...		39	53·17	.		42	40·0	M
20	...		39	53·28	...		42	39·8	M
Sep. 12	...		39	53·34	..		42	40·0	M
837		*S Vulpeculae Var.* 3.							
Sep. 8	8·0	19	42	54·02	...	63	2	43·4	M
10	8·0		42	54·07	...		2	43·5	M
838		*53 Aquilae α, Altair.*							
Aug. 9	...	19	44	14·61	5	81	28	59·9	R
16	...		44	14·65	4		28	59·8	M
30	...		44	14·50	...		28	58·8	R
Sep. 12	...		44	14·59	...		29	0·6	M
839		*57 Sagittarii.*							
Aug. 22	...	19	44	24·75	...	109	22	57·2	M
840		*60 Aquilae β*							
Aug. 3	...	19	48	43·73	...	83	55	32·5	R
20	...		48	43·71	...		55	33·1	M
Sep. 7	...		48	43·64	...		55	34·0	M
14	...		48	43·66	...		55	33·2	M
841		*Anon.*							
Sep. 10	7·9	19	56	54·87	...	130	21	15·2	M
842		*λ Ursae Minoris—s.p.*							
Jan. 25	...	19	58	11·68	3	1	5	32·8	R
Feb. 20	...		58	11·36	7		5	32·6	R
Mar. 1	...		58	11·34	7		5	31·4	R
8	...		58	11·76	2		5	34·1	M
843		*Anon.*							
Sep. 12	8·8	20	7	47·23	...	81	22	7·9	M
14	8·9		7	47·19	...		22	7·5	M
27	8·1		7	47·20	...		22	7·4	M
844		*R Sagittarii Var.* 1.							
Sep. 19	9·8	20	7	57·46	..	73	40	38·3	R
845		*O. A. S.* 20356.							
Sep. 10	7·7	20	8	27·62	...	110	25	48·6	M

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846	*6 Capricorni α²*								
June 30	...	20	10	37·00	...	102	57	29·1	R
Aug. 29	...		10	37·00	...		57	28·0	R
Sep. 8	...		10	36·86	...		57	27·4	M
13	...		10	36·81	...		57	28·6	M
15	...		10	37·00	4		57	29·2	M
20	...		10	37·01	...		57	28·9	R
847	*Anon.*								
Sep. 28	7·5	20	10	38·67	5	149	8	41·6	M
848	*Anon.*								
Aug. 3	9·7	20	12	13·56	5	88	46	53·2	R
849	*κ Pavonis.*								
Aug. 30	..	20	15	1·73	...	147	9	39·6	R
850	*Lalande 39125.*								
Sep. 18	8·9	20	15	37·36	...	106	12	59·2	R
851	*11 Capricorni ρ*								
Aug. 18	...	20	21	12·77	...	108	15	15·6	M
23	...		21	12·78	...		15	15·7	M
29	...		21	12·87	...		15	15·1	R
30	...		21	12·85	...		15	15·2	R
Sep. 8	...		21	12·71	...		15	15·4	M
10	...		21	12·72	...		15	15·9	M
13	...		21	12·84	...		15	16·0	M
14	...		21	12·84	...		15	15·9	M
20	...		21	12·68	...		15	16·4	R
28	...		21	12·88	...		15	16·4	M
29	...		21	12·78	...		15	14·1	M
Oct. 1	...		21	12·73	5		15	15·2	M
5	...		21	12·87	...		15	14·2	M
852	*Anon.*								
Aug. 11	9·0	20	26	28·40	...	121	12	17·8	R
853	*Anon.*								
Oct. 2	9·3	20	28	50·44	...	121	6	5·6	M
854	*R. P. L. 143.*								
Sep. 19	...	20	29	24·34	3	5	18	3·9	R
855	*Anon.*								
Sep. 22	9·0	20	31	2·56	...	149	55	0·4	R
856	*S Capricorni Var. 2.*								
Aug. 3	9·6	20	34	4·21	...	109	31	57·3	R
Sep. 18	9·3		34	4·26	...		31	56·8	R
24	9·0		34	4·25	4		31	57·1	M
Oct. 5	9·1		34	4·15	...		31	57·1	M
857	*Anon.*								
Aug. 9	9·2	20	35	54·12	5	124	29	57·6	R
858	*50 Cygni α, Deneb.*								
July 24	...	20	36	51·79	5	45	11	50·0	M
Sep. 7	...		36	51·83	...		11	49·9	M
10	...		36	51·80	...		11	50·6	M
Oct. 9	...		36	51·76	...		11	50·6	M
859	*W. B. E. XX. 9·3.*								
Aug. 11	9·0	20	36	53·36	5	73	22	37·7	R
Oct. 6	8·2		36	53·29	...		22	37·4	M
860	*S Delphini Var. 2.*								
Sep. 14	9·2	20	36	54·45	...	73	23	30·7	M
27	9·1		36	54·43	4		23	30·9	M
861	*2 Aquarii ε*								
June 30	...	20	40	25·18	...	99	59	4·0	R
Aug. 22	...		40	25·13	...		59	4·3	M

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862	*W. B. E. XX.* 1024.								
Sep. 18	9·5	20	40	59·74	...	105	23	50·6	R
863	*Anon.*								
Sep. 23	10·4	20	41	15·49	4	105	17	55·5	R
864	6 *Aquarii* μ								
Aug. 23	...	20	45	25·33	...	99	29	3·7	M
865	32 *Vulpeculae.*								
Sep. 10	...	20	48	50·79	...	62	27	2·3	M
19	...		48	50·83	...		27	2·2	R
24	...		48	50·99	...		27	3·7	M
28	...		48	50·83	...		27	2·4	M
29	...		48	50·90	...		27	2·5	»
Oct. 5	...		48	50·83	...		27	1·0	M
6	...		48	51·05	...		27	2·4	M
9	...		48	50·87	...		27	2·0	M
866	*Lacaille* 8630.								
Sep. 12	7·0	20	51	31·56	6	126	38	45·3	M
27	7·0		51	31·77	...		38	45·7	M
867	*Anon.*								
Oct. 11	9·0	20	54	6·44	4	142	58	47·8	M
868	*Anon.*								
Sep. 18	10·1	20	58	31·21	5	66	42	21·3	R
23	10·3		58	31·15	5		42	20·3	R
869	*Taylor* 9772—*1st.*								
Sep. 27	7·7	21	0	36·11	...	145	6	50·6	M
870	*Taylor* 9772—*2nd.*								
Oct. 3	7·9	21	0	36·56	...	145	6	50·0	M
12	8·0		0	36·31	5		6	51·4	M
15	7·9		0	36·26	..		6	50·3	M
871	61 *Cygni*—*1st.*								
Sep. 19	...	21	0	53·40	...	51	54	28·4	R
Oct. 9	...		0	53·58	...		54	28·8	M
10	...		0	53·56	...		54	27·8	M
872	13 *Aquarii* ν								
Sep. 20	...	21	2	17·43	...	101	54	45·2	R
873	*Anon.*								
Oct. 11	9·3	21	3	8·17	5	145	6	16·7	M
874	*Lacaille* 8712.								
Sep. 24	8·3	21	4	20·13	5	146	48	5·0	M
875	64 *Cygni* ζ								
Aug. 29	...	21	7	13·83	...	60	19	17·0	R
30	...		7	13·81	...		19	16·5	R
Sep. 10	...		7	13·98	...		19	18·5	M
12	...		7	13·94	...		19	17·3	M
14	...		7	13·89	...		19	17·9	M
15	...		7	13·98	...		19	16·9	R
18	...		7	14·01	5		19	17·6	R
19	...		7	14·01	5		19	17·5	R
22	...		7	13·92	...		19	17·6	R
28	...		7	13·87	4		19	17·1	M
29	...		7	13·91	4		19	16·2	M
Oct. 1	...		7	13·99	...		19	15·9	M
5	...		7	13·93	...		19	16·5	M
6	...		7	14·03	..		19	16·1	
876	*Anon.*								
Oct. 3	9·6	21	11	8·83	..	129	31	28·5	M
877	*Brisbane* 7012.								
Sep. 18	..	21	14	14·00	6	131	45	30·3	R
27	7·8		14	14·08	...		45	31·6	M
Oct. 13	9·0		14	14·15	5		45	31·4	M

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878	*T Capricorni Var. 3.*								
Sep. 22	9·9	21	14	32·25	...	105	39	41·2	R
879	*5 Cephei α*								
Sep. 19	...	21	15	22·69	5	27	58	52·2	R
20	...		15	22·56	5		58	53·4	R
880	*Anon.*								
Sep. 12	7·7	21	20	14·71	5	150	47	21·0	M
881	*22 Aquarii β*								
Sep. 15	...	21	24	30·22	...	96	9	33·2	M
18	...		24	30·15	...		9	33·7	R
19	...		24	30·18	...		9	33·1	R
20	...		24	30·06	...		9	33·4	R
24	...		24	30·19	...		9	33·1	M
27	...		24	30·01	5		9	35·1	M
29	...		24	30·07	...		9	32·4	M
Oct. 1	...		24	30·11	...		9	32·5	M
5	...		24	30·05	...		9	32·9	M
882	*8 Cephei β*								
Aug. 17	...	21	26	55·51	5	20	1	37·2	M
30	...		26	55·16	...		1	37·8	R
883	*Anon.*								
Sep. 14	9·0	21	28	38·15	...	134	3	49·6	M
884	*23 Aquarii ξ*								
June 30	...	21	30	36·87	..	98	27	13·3	R
Sep. 20	..		30	36·92	...		27	13·6	R
885	*Taylor* 10068.								
Sep. 29	7·5	21	34	28·51	...	134	6	11·8	M
886	*S Cephei Var. 3.*								
Aug. 29	7·0	21	36	49·34	3	11	38	45·8	R
887	*8 Pegasi ε*								
Sep. 18	...	21	37	36·15	...	81	44	17·1	R
21	...		37	36·19	..		44	17·1	M
23	...		37	36·28	...		44	16·9	M
Oct. 1	...		37	36·14	.		44	15·4	M
2	...		37	36·28	..		44	16·8	M
11	...		37	36·29	...		44	16·8	M
22	..		37	36·35	...		44	16·8	M
888	*48 Capricorni λ*								
June 30	...	21	39	19·02	3	101	58	57·4	R
889	*μ Cephei Var. 1.*								
Sep. 27	6·0	21	39	24·43	5	31	50	3·0	M
890	*W. B. E. XXI.* 975.								
Sep. 19	9·7	21	41	16·14	...	97	19	12·1	R
891	*16 Pegasi.*								
Sep. 22	...	21	46	57·87	...	64	42	17·3	R
Oct. 6	...		46	57·86	...		42	15·0	M
15	...		46	58·00	...		42	16·1	
22	..		46	57·88	...		42	16·2	M
892	*Anon.*								
Sep. 15	8·9	21	47	42·32	...	133	11	56·7	M
893	*Taylor* 10190.								
Aug. 16	6·5	21	51	14·18	...	146	31	21·9	M
27	6·2		51	14·10	...		31	22·8	M
894	*Anon.*								
Oct. 11	9·5	21	52	54·19	...	136	37	41·6	M
895	*ε Indi.*								
Aug. 29	5·5	21	53	5·47	...	147	30	5·1	R
Sep. 19	...		53	5·61	...		30	4·6	R
Oct. 6	5·9		53	5·68	6		30	6·5	M

Separate Results of Madras Meridian Circle Observations in 1866.

Number and Date.	Magnitude.	Mean Right Ascension 1866. h.	m.	s.	No. of Wires.	Mean Polar Distance 1866. °	′	″	Observer.
896			*Anon.*						
Sep 22	9·0	21	53	58·71	...	150	48	43·9	R
897			*34 Aquarii α*						
Aug. 27	...	21	58	53·86	...	90	58	12·8	M
Sep. 27	...		58	54·05	4		58	10·7	M
Oct. 2	...		58	54·02	...		58	11·0	M
9	...		58	54·09	...		58	11·4	M
12	...		58	54·05	...		58	11·0	M
15	...		58	53·92	...		58	11·5	M
16	...		58	53·87	...		58	11·1	M
17	...		58	54·03	...		58	10·9	M
24	...		58	53·98	...		58	11·2	M
898			*α Gruis.*						
Sep. 15	...	21	59	46·52	...	137	36	31·1	M
899			*Anon.*						
Sep. 28	7·9	22	9	11·76	...	98	21	30·6	M
Oct. 6	8·0		9	11·77	...		21	31·0	M
900			*Anon.*						
Oct. 12	8·9	22	9	16·00	...	146	26	43·6	M
901			*43 Aquarii θ*						
Sep. 15	..	22	9	45·43	...	98	26	57·9	M
22	...		9	45·76	4		26	59·5	R
25	...		9	45·38	5		26	57·6	M
Oct. 2	...		9	45·51	3		26	59·2	M
15	...		9	45·51	...		26	58·9	M
16	...		9	45·64	...		26	59·3	M
17	...		9	45·38	...		26	58·0	M
902			*Anon.*						
Oct. 11	9·0	22	13	17·03	..	146	28	1·1	M
903			*Anon.*						
Oct. 16	9·0	22	16	58·44	4	135	57	49·2	M
904			*55 Aquarii ζ—1st.*						
Aug. 27	6·2	22	21	55·64	...	90	42	15·8	M
Sep. 28	6·6		21	55·67	...		42	14·6	M
Oct. 10	5·9		21	55·67	...		42	14·8	M
905			*55 Aquarii ζ—2nd.*						
Oct. 17	6·2	22	21	55·67	...	90	42	19·1	M
906			*Anon.*						
Sep. 25	7·9	22	21	57·91	...	100	37	9·5	M
Oct. 12	7·8		21	57·61	...		37	12·0	M
907			*27 Cephei δ Var 2.*						
Sep. 15	...	22	24	12·00	3	32	16	13·1	M
908			*Anon.*						
Oct. 15	7·9	22	25	50·50	5	141	29	38·7	M
909			*62 Aquarii η*						
Aug. 27	..	22	28	28·18	...	90	48	27·9	M
Oct. 6	...		28	28·10	...		48	26·6	M
17	...		28	28·10	...		48	26·9	M
22	...		28	28·19	..		48	27·6	M
24	...		28	28·14	...		48	27·6	M
Nov. 5	...		28	28·11	...		48	26·6	M
910			*Lacaille* 9188.						
Oct. 12	6·9	22	30	0·67	5	130	33	7·4	M
16	7·1		30	0·54	5		33	6·6	M
911			*42 Pegasi ζ*						
Aug. 27	...	22	34	46·76	...	79	52	4·0	M
28	...		34	46·64	...		52	2·6	M
Oct. 2	...		34	46·66	3		52	1·8	M
24	..		34	46·68	...		52	2·6	M
Nov. 5	..		34	46·71	...		52	2·8	M

Separate Results of Madras Meridian Circle Observations in 1866.

Number and Date.	Magnitude.	Mean Right Ascension 1866. h.	m.	s.	No. of Wires.	Mean Polar Distance 1866. °	′	″	Observer.
912	*W. B. E. XXII.* 844.								
Oct. 11	8·8	22	40	40·32	...	87	48	4·0	M
913	*Anon.*								
Nov. 5	...	22	43	33·73	...	130	36	2·1	R
914	*O. A. S.* 22500.								
Oct. 5	8·0	22	49	7·09	...	119	19	13·9	M
11	8·0		49	7·20	...		19	14·6	M
12	8·1		49	7·17	...		19	14·2	M
915	*S Aquarii Var.* 2.								
Oct. 29	9·2	22	49	55·33	...	111	3	27·6	R
916	24 *Piscis Australis* α, *Fomalhaut.*								
Aug. 28	...	22	50	14·51	...	120	19	56·1	M
Sep. 25	...		50	14·57	...		19	54·9	M
Oct. 15	...		50	14·44	...		19	55·3	M
16	...		50	14·38	...		19	55·1	M
17	...		50	14·33	5		19	54·8	M
23	...		50	14·25	...		19	55·9	M
917	*Anon.*								
Sep. 8	7·1	22	50	25·78	...	110	59	26·6	M
Oct. 24	7·2		50	25·91	..		59	28·2	M
918	*Anon.*								
Oct. 30	8·6	22	51	54·85	...	85	22	30·1	R
31	8·3		51	54·79	...		22	30·5	R
919	54 *Pegasi* α, *Markab.*								
Sep. 27	...	22	58	5·18	...	75	30	55·3	M
Oct. 12	...		58	5·13	...		30	56·3	M
30	...		58	5·32	...		30	54·5	R
920	*Lacaille* 9372.								
Oct. 9	8·0	23	0	20·09	...	150	27	34·8	M
921	*Anon.*								
Oct. 11	9·2	23	4	25·22	...	130	43	37·2	M
922	*Anon.*								
Oct. 12	8·5	23	8	15·26	5	150	30	39·3	M
27	...		8	15·23	6		30	39·2	R
Nov. 3	8·7		8	15·16	5		30	39·7	R
923	*Lacaille* 9423.								
Sep. 8	7·0	23	10	2·53	..	151	43	57·0	M
924	6 *Piscium* γ								
Aug. 28	...	23	10	12·97	...	97	26	58·2	M
Sep. 18	...		10	13·10	...		26	59·4	R
19	...		10	13·10	5		26	58·0	R
25	...		10	13·16	...		26	58·7	M
27	...		10	13·11	...		26	57·8	M
Oct. 24	...		10	13·11	...		26	58·5	M
30	...		10	13·13	...		26	56·2	R
Nov. 1	...		10	13·19	...		26	57·2	R
5	...		10	13·05	...		26	58·4	R
925	*Anon.*								
Oct. 31	8·5	23	10	42·06	...	150	43	55·5	R
926	96 *Aquarii.*								
Sep. 22	...	23	12	27·07	...	95	51	23·3	R
927	*Anon.*								
Nov. 5	9·0	23	15	48·15	5	130	39	9·4	R
928	*Taylor* 10748.								
Aug. 28	6·0	23	17	39·83	...	147	35	4·8	M
Oct. 21	6·0		17	39·84	...		35	4·9	M
929	*Anon.*								
Nov. 3	9·3	23	19	49·27	5	151	37	26·3	R

Separate Results of Madras Meridian Circle Observations in 1866.

Number and Date.	Magnitude.	Mean Right Ascension 1866. h.	m.	s.	No. of Wires.	Mean Polar Distance 1866. °	′	″	Observer.
930			*8 Piscium κ*						
Aug. 27	...	23	20	3·75	...	89	28	41·3	M
Sep. 26	...		20	3·83	...		28	39·8	M
Oct. 11	...		20	3·83	...		28	40·1	M
12	...		20	3·68	...		28	40·4	M
27	...		20	3·80	5		28	39·6	R
29	...		20	3·78	...		28	39·7	R
Nov. 1	...		20	3·78	...		28	37·8	R
931			*Anon.*						
Oct. 30	8·5	23	20	51·70	...	88	51	2·3	R
Nov. 6	8·0		20	51·66	...		51	2·1	R
932			*Anon.*						
Oct. 31	9·3	23	21	9·87	...	137	27	5·3	R
933			*10 Piscium θ*						
Sep. 25	...	23	21	10·30	...	84	21	23·8	M
934			*Anon.*						
Nov. 3	10·2	23	25	36·32	5	129	51	20·3	R
5	9·8		25	36·27	...		51	19·7	R
935			*Taylor* 10804.						
Aug. 28	6·5	23	27	36·19	...	147	33	57·4	M
936			*R. P. L.* 158.						
Nov. 7	...	23	27	50·15	3	3	25	54·1	R
			R. P. L. 158—*s.p.*						
Apl. 5	...	23	27	50·02	5	3	25	53·8	M
937			*Anon.*						
Oct. 31	9·6	23	30	1·13	...	137	19	24·5	R
Nov. 6	9·7		30	1·01	...		19	26·6	R
938			*Anon.*						
Oct. 27	...	23	30	31·48	5	118	56	1·7	R
939			*17 Piscium ι*						
Aug. 27	...	23	33	3·48	...	85	5	59·9	M
Sep. 26	...		33	3·51	...		5	58·8	M
Oct. 29	...		33	3·50	...		5	58·6	R
30	...		33	3·33	...		5	59·5	R
Nov. 1	...		33	3·45	...		5	58·0	R
8	...		33	3·51	...		5	59·2	R
940			*35 Cephei γ*						
Sep. 19	...	23	33	52·65	5	13	6	52·3	R
23	...		33	52·31	5		6	54·1	R
941			*Anon.*						
Nov. 5	9·0	23	34	26·95	...	147	26	49·6	R
942			*Anon.*						
Nov. 7	9·7	23	36	53·10	5	106	1	38·4	R
9	9·2		36	52·99	...		1	38·1	R
943			*Anon.*						
Nov. 5	9·3	23	41	10·75	...	128	46	0·3	R
6	9·2		41	10·78	...		46	0·5	R
944			*δ Sculptoris.*						
Sep. 26	...	23	41	56·47	...	118	52	16·6	M
Oct. 27	...		41	56·50	...		52	17·2	R
31	...		41	56·44	...		52	16·7	R
Nov. 3	...		41	56·44	...		52	16·5	R
945			*Lalande* 46650.						
Oct. 2	8·4	23	42	12·32	5	88	18	35·8	M
946			*Anon.*						
Nov. 8	9·7	23	42	48·52	3	150	53	21·9	R
947			*22 Piscium.*						
Sep. 24	...	23	45	6·38	...	87	48	51·9	M

Separate Results of Madras Meridian Circle Observations in 1866.

Number and Date.	Magnitude.	Mean Right Ascension 1866. h.	m.	s.	No. of Wires.	Mean Polar Distance 1866. °	′	″	Observer.
948		*Anon.*							
Oct. 11	9·3	23	47	3·10	5	150	43	2·6	M
949		*Lacaille* 9638.							
Nov. 7	7·7	23	47	8·04	4	150	17	19·7	R
950		*Anon.*							
Nov. 9	...	23	47	37·20	...	150	45	12·8	R
951		*Anon.*							
Nov. 5	9·1	23	47	49·96	5	128	50	18·8	R
6	9·3		47	49·97	...		50	19·2	R
952		*Lacaille* 9641.							
Oct. 10	7·9	23	48	8·21	3	128	6	35·1	M
27	8·5		48	8·28	...		6	36·6	R
953		28 *Piscium* ω							
Sep. 26	...	23	52	25·87	...	83	52	41·9	M
Oct. 12	...		52	25·96			52	43·8	R
954		*Lacaille* 9686.							
Oct. 27	7·0	23	53	38·61	.	143	50	36·2	R
955		*Anon.*							
Nov. 5	8·9	23	56	4·61	...	130	16	22·2	R
956		*Taylor* 10990.							
Nov. 6	9·2	23	57	0·23	..	148	34	31·6	R
957		*Lacaille* 9721.							
Aug. 27	6·9	23	59	22·11	5	130	40	14·4	M

MEAN POSITIONS OF STARS

OBSERVED WITH THE

MADRAS MERIDIAN CIRCLE

IN THE YEAR

1866

REDUCED TO JANUARY 1, OF THAT YEAR.

Mean Positions of Stars for 1866 January 1st.

Number.	Star.	Magnitude.	Estimations	Mean Right Ascension.			Mean Polar Distance.			Observations	Fraction of Year.
				h.	m.	s.	°	′	″		
1	Taylor 11010	8·0	1	0	0	34·89	147	34	58·6	1	0·86
2	21 Androm. α (*Alpherot*)..	2·0	...	0	1	27·01	61	38	59·0	8	0·81
3	Lacaille 9739	8·0	1	0	2	10·16	130	28	59·1	1	0·84
4	Lacaille 9757	8·0	1	0	4	31·16	131	7	7·8	1	0·85
5	88 Pegasi γ (*Algenib*) ...	3·0	...	0	6	20·22	75	33	41·5	7	0·85
6	... ...	9·2	1	0	6	44·46	131	6	22·3	1	0·85
7	Lalande 163	7·7	3	0	7	41·52	89	26	54·3	3	0·77
8	... ...	9·0	1	0	9	28·63	149	31	11·3	1	0·84
9	... ...	9·9	1	0	9	39·06	153	54	27·9	1	0·85
10	... ...	9·6	2	0	10	40·63	152	0	12·7	2	0·85
11	Lacaille 41	8·1	2	0	12	39·69	130	51	23·4	2	0·78
12	... ...	7·5	1	0	15	54·62	51	59	21·9	1	0·83
13	Lacaille 61	7·3	2	0	16	7·57	130	0	19·1	2	0·84
14	... ...	9·2	2	0	18	36·90	152	56	57·9	2	0·83
15	Lacaille 81	7·1	1	0	18	44·20	130	0	2·3	1	0·85
16	10 Ceti	6·7	...	0	19	44·97	90	47	32·7	2	0·65
17	12 Ceti	6·2	...	0	23	11·99	94	41	53·1	7	0·85
18	Lacaille 132	8·4	4	0	27	24·03	151	53	16·1	4	0·81
19	... ...	8·5	2	0	31	32·36	82	27	41·4	2	0·80
20	Lalande 1010	9·5	2	0	32	21·68	82	31	46·7	2	0·84
21	18 Cassiopeæ α Var. 2 ...	2·2	...	0	32	55·17	34	11	53·3	2	0·85
22	16 Ceti β	2·1	...	0	36	51·63	108	43	21·9	5	0·87
23	W. B. E. 0.628	9·3	1	0	37	0·17	98	48	46·3	1	0·89
24	... ...	9·5	1	0	39	59·45	150	44	13·0	1	0·90
25	W. B. E. 0.697	9·2	3	0	40	49·69	95	13	51·5	3	0·79
26	W. B. E. 0.705	9·0	2	0	41	14·32	94	26	39·8	2	0·84
27	63 Piscium δ	4·6	...	0	41	43·97	83	8	40·8	3	0·78
28	W. B. E. 0.716... ...	9·5	1	0	41	47·59	94	36	7·8	1	0·90
29	20 Ceti	5·0	...	0	46	9·58	91	52	22·2	1	0·65
30	... ...	9·9	2	0	47	40·99	153	39	38·8	3	0·85
31	λ^1 Toucani	6·5	1	0	48	2·62	153	36	0·1	1	0·84
32	... ...	9·6	2	0	49	0·34	153	49	9·0	2	0·88
33	... ...	9·0	1	0	49	0·60	133	46	35·8	1	0·85
34	Lacaille 264	7·9	...	0	50	40·06	154	41	26·0	1	0·90
35	R. P. L. 12	4·5	...	0	50	58·08	4	27	48·1	2	0·84

7.—Star occulted by the moon, when totally eclipsed, on 1866 Sep. 24.
20.—Comparison star for Ariadne in 1861.
21.—α Cassiopeæ Var. 2 (*Shedir*). Changes irregularly between 2·2 and 2·8 magnitude.
23.—25.—26.—28.—Comparison stars for Europa in 1861.
35.—2 Ursæ Minoris.

Observed with the Madras Meridian Circle in that Year.

Number.	Star.	In Right Ascension.			In Polar Distance.			Number in B. A. C.
		Annual Precession.	Secular Variation.	Proper Motion.	Annual Precession.	Secular Variation.	Proper Motion.	
		s	s	s	"	"	"	
1	Taylor 11010 ...	+ 3·0668	− 0·0452	...	− 20·055	+ 0·010	...	...
2	21 Androm. α (*Alpheratz*)	+ 3·0767	+ 0·0182	+ 0·009	− 20·055	+ 0·018	+ 0·15	4
3	Lacaille 9789 ...	+ 3·0613	− 0·0233	...	− 20·054	+ 0·013	...	...
4	Lacaille 9757 ...	+ 3·0491	− 0·0236	...	− 20·051	+ 0·018	...	22
5	88 Pegasi γ (*Algenib*).	+ 3·0815	+ 0·0100	0·000	− 20·048	+ 0·022	+ 0·02	26
6	... ...	− 3·0378	− 0·0232	...	− 20·046	+ 0·022	...	..
7	Lalande 163	+ 3·0724	+ 0·0026	...	− 20·044	+ 0·024	...	...
8	... ...	+ 2·9781	− 0·0452	...	− 20·038	+ 0·027	...	...
9	... ...	+ 2·9572	− 0·0540	...	− 20·036	+ 0·027	...	...
10	... .	+ 2·9550	− 0·0493	...	− 20·034	+ 0·029	...	...
11	Lacaille 41	+ 3·0083	− 0·0221	...	− 20·024	+ 0·033	...	...
12	... ...	+ 3·1445	+ 0·0271	...	− 20·007	+ 0·041	...	...
13	Lacaille 61	+ 2·9932	− 0·0200	...	− 20·006	+ 0·040	...	...
14	... ...	+ 2·8597	− 0·0472	...	− 19·988	+ 0·043	...	...
15	Lacaille 81	+ 2·9805	− 0·0205	...	− 19·989	+ 0·044	...	...
16	10 Ceti	+ 3·0705	+ 0·0026	+ 0·005	− 19·981	+ 0·047	+ 0·03	95
17	12 Ceti	+ 3·0609	+ 0·0008	− 0·002	− 19·953	+ 0·055	+ 0·01	112
18	Lacaille 132	+ 2·7737	− 0·0413	...	− 19·912	+ 0·057	...	...
19	... ...	+ 3·0964	+ 0·0076	...	− 19·865	+ 0·071	...	...
20	Lalande 1010 ...	+ 3·0969	+ 0·0076	...	− 19·855	+ 0·072	...	...
21	18 Cassiopeæ α Var. 2	+ 3·3536	+ 0·0553	+ 0·006	− 19·848	+ 0·080	+ 0·04	169
22	16 Ceti β	+ 2·9995	− 0·0055	+ 0·013	− 19·796	+ 0·080	− 0·02	196
23	W. B. E. 0.628 ..	+ 3·0578	+ 0·0020	...	− 19·794	+ 0·080	...	...
24	... .	+ 2·6579	− 0·0340	...	− 19·750	+ 0·075	...	...
25	W. B. E. 0.697 ...	+ 3·0503	+ 0·0015	...	− 19·738	+ 0·087	...	...
26	W. B. E. 0.705 ...	+ 3·0534	+ 0·0019	...	− 19·732	+ 0·087	...	...
27	63 Piscium δ ...	+ 3·1012	+ 0·0077	+ 0·003	− 19·723	+ 0·090	+ 0·05	222
28	W. B. E. 0.716 ..	+ 3·0526	+ 0·0018	...	− 19·722	+ 0·088	...	...
29	20 Ceti	+ 3·0632	+ 0·0034	− 0·004	− 19·650	+ 0·097	+ 0·01	242
30	... .	+ 2·5143	− 0·0328	...	− 19·622	+ 0·084	...	...
31	λ¹ Toucani	+ 2·5116	− 0·0327	...	− 19·615	+ 0·084	...	251
32	... .	+ 2·4951	− 0·0323	...	− 19·598	+ 0·085	...	...
33	... .	+ 2·8002	− 0·0183	...	− 19·598	+ 0·095	...	..
34	Lacaille 264	+ 2·4502	− 0·0318	...	− 19·564	+ 0·087	...	...
35	R. P. L. 12	+ 6·8496	+ 1·2942	+ 0·065	− 19·561	+ 0·228	+ 0·01	262

17.—Proper motions from "*Greenwich Catalogue* 1872"

Mean Positions of Stars for 1866 January 1st.

Number.	Star.	Magnitude.	Estimations.	Mean Right Ascension. h.	m.	s.	Mean Polar Distance. °	′	″	Observations.	Fraction of Year.
36	R. P. L. 14	6·2	...	0	54	13·70	3	34	11·2	2	0·30
37	71 Piscium ε	4·5	...	0	55	59·41	82	49	54·5	5	0·80
38	20 Ceti	6·3	...	1	1	5·11	88	42	27·6	1	0·90
39	... ...	8·5	2	1	5	50·93	129	52	25·2	2	0·80
40	86 Piscium ζ ... 1st...	5·4	...	1	6	43·79	83	8	4·1	1	0·66
41	S Cassiopeæ Var. 4 ...	...	...	1	9	50·73	18	5	43·0	1	0·90
42	1 Ursæ Minoris α (*Polaris*)	2·2	...	1	9	57·44	1	24	17·1	5	0·74
43	... ...	9·2	1	1	10	14·74	81	49	4·0	1	0·89
44	... ...	7·7	1	1	17	6·18	96	30	47·4	1	0·66
45	45 Ceti θ¹	3·8	...	1	17	19·51	98	52	33·2	7	0·90
46	Taylor 465...	7·1	1	1	19	35·95	91	5	46·4	1	0·77
47	R Piscium Var. 1... ...	9·2	2	1	23	43·52	87	48	41·9	3	0·87
48	99 Piscium η	4·5	...	1	24	18·91	75	20	45·9	5	0·87
49	... ...	7·9	1	1	29	5·38	150	41	58·6	1	0·93
50	Taylor 525...	6·5	2	1	30	13·49	148	49	30·4	2	0·88
51	... ...	9·0	1	1	31	28·14	130	51	40·5	1	0·85
52	α Eridani (*Achernar*) ...	1·0	...	1	32	43·25	147	55	6·4	2	0·88
53	106 Piscium ν	4·7	...	1	34	27·55	85	11	29·9	9	0·86
54	110 Piscium ο	4·4	...	1	38	19·21	81	31	4·1	2	0·73
55	... ...	9·0	1	1	39	57·76	149	26	43·5	1	0·83
56	Lacaille 516	8·0	1	1	40	2·29	151	41	28·7	2	0·87
57	... ...	9·3	3	1	42	2·02	130	14	36·9	3	0·86
58	6 Arietis β	2·8	...	1	47	14·52	69	50	55·1	6	0·87
59	V Piscium Var. 5... ...	7·6	5	1	47	17·86	81	52	47·6	5	0·89
60	... ...	9·3	1	1	48	36·98	150	4	37·7	1	0·83
61	Lacaille 593	9·2	1	1	52	6·70	149	7	40·1	1	0·82
62	... .	8·8	2	1	54	57·39	130	55	5·8	2	0·82
63	Taylor 673	7·3	2	1	56	21·89	72	23	31·7	2	0·84
64	13 Arietis α	2·0	...	1	59	37·41	67	10	22·8	9	0·90
65	... ...	9·5	1	1	1	7·28	149	48	28·4	1	0·89
66	... ...	9·5	1	2	2	0·14	130	1	55·3	1	0·82
67	17 Arietis η	5·4	...	2	5	18·46	69	25	14·0	1	0·81
68	65 Ceti ξ¹	4·4	...	2	5	54·04	81	47	0·5	3	0·85
69	... .	9·5	1	2	7	2·84	148	28	55·3	1	0·83
70	67 Ceti	5·5	...	2	10	18·03	97	2	29·2	6	0·89

36.—Groombridge 196.
41.—S Cassiopeæ Var. 1.—Period 615 days.—Range, 7th to 13th magnitude.
47.—R Piscium Var. 1.—Period 345 days.—Range, 7·5 to 12th magnitude.
59.—V Piscium Var. 5.—Supposed to vary between the 6th and 9th magnitude.

Observed with the Madras Meridian Circle in that Year.

Number.	Star.	In Right Ascension.			In Polar Distance.			Number in B. A. C.
		Annual Precession.	Secular Variation.	Proper Motion.	Annual Precession.	Secular Variation.	Proper Motion.	
		s	s	s	"	"	"	
36	R. P. L. 14... ...	+ 3·0954	+ 1·9902	− 0·171	− 19·497	+ 0·285	− 0·02	723
37	71 Piscium ε . ..	+ 3·1127	+ 0·0087	− 0·002	− 19·460	+ 0·119	0·00	288
38	29 Ceti	+ 3·0801	+ 0·0058	+ 0·010	− 19·346	+ 0·126	+ 0·46	324
39	... ...	+ 2·7556	− 0·0135	...	− 19·233	+ 0·122	...	...
40	86 Piscium ζ... 1st ..	+ 3·1183	+ 0·0090	+ 0·008	− 19·211	+ 0·139	+ 0·07	368
41	S Cassiopeæ Var. 4...	+ 4·2998	+ 0·1621	...	− 19·131	+ 0·196	...	...
42	1 Urs. Min. α (*Polaris*)	+ 19·4564	+ 13·5506	+ 0·065	− 19·128	+ 0·861	0·00	360
43	... ...	+ 3·1301	+ 0·0099	...	− 19·120	+ 0·146	...	...
44	... ...	+ 3·0218	+ 0·0028	...	− 18·930	+ 0·153	...	...
45	45 Ceti θ[1]	+ 3·0029	+ 0·0018	− 0·007	− 18·925	+ 0·154	+ 0·22	420
46	Taylor 465	+ 3·0633	+ 0·0056	...	− 18·858	+ 0·160	...	433
47	R. Piscium Var. 1 ...	+ 3·0904	+ 0·0073	..	− 18·731	+ 0·169	...	...
48	99 Piscium η... ...	+ 3·1978	+ 0·0142	0·000	− 18·713	+ 0·176	0·00	453
49	... ...	+ 2·1691	− 0·0135	...	− 18·558	+ 0·128	...	...
50	Taylor 525	+ 2·2214	− 0·0135	...	− 18·521	+ 0·133	...	...
51	... .	+ 2·6227	− 0·0101	...	− 18·479	+ 0·157	...	...
52	α Eridani (*Achernar*)..	+ 2·2326	− 0·0128	+ 0·008	− 18·436	+ 0·137	+ 0·07	507
53	106 Piscium ν ...	+ 3·1171	+ 0·0091	− 0·004	− 18·376	+ 0·191	− 0·04	518
54	110 Piscium ο ..	+ 3·1550	+ 0·0111	+ 0·006	− 18·237	+ 0·199	− 0·01	537
55	... ...	+ 2·1152	− 0·0100	...	− 18·177	+ 0·138	...	...
56	Lacaille 516	+ 2·0226	− 0·0085	...	− 18·174	+ 0·133	...	543
57	... ...	+ 2·5818	− 0·0084	...	− 18·100	+ 0·170	...	...
58	6 Arietis β	+ 3·2934	+ 0·0183	+ 0·002	− 17·899	+ 0·226	+ 0·11	577
59	V Piscium Var. 5 ...	+ 3·1581	+ 0·0114	...	− 17·897	+ 0·216	...	...
60	... ...	+ 2·0119	− 0·0067	...	− 17·845	+ 0·142	...	...
61	Lacaille 593	+ 2·0212	− 0·0061	...	− 17·703	+ 0·147	...	...
62	... ...	+ 2·5150	− 0·0069	...	− 17·584	+ 0·184	...	...
63	Taylor 673	+ 3·2784	+ 0·0167	...	− 17·525	+ 0·269	...	632
64	13 Arietis α	+ 3·3527	+ 0·0203	+ 0·012	− 17·385	+ 0·252	+ 0·15	648
65	... ...	+ 1·9136	− 0·0028	...	− 17·319	+ 0·148	...	...
66	... .	+ 2·5021	− 0·0058	...	− 17·279	+ 0·193	...	...
67	17 Arietis η	+ 3·3331	+ 0·0188	+ 0·009	− 17·131	+ 0·260	− 0·01	682
68	65 Ceti ξ[1]	+ 3·1729	+ 0·0116	− 0·004	− 17·104	+ 0·249	+ 0·04	684
69	... .	+ 1·9160	− 0·0021	...	− 17·052	+ 0·154	...	..
70	67 Ceti	+ 2·9832	+ 0·0049	+ 0·003	− 16·900	+ 0·242	+ 0·14	704

36 — 40.—Proper motions from "*Greenwich Catalogue* 1872."
38.—Proper motions from "*Greenwich Catalogue* 1864."
52.—Proper motions from "*Stone's Cape Catalogue*."

Mean Positions of Stars for 1866 January 1st.

Number.	Star.	Magnitude.	Estimations.	Mean Right Ascension.			Mean Polar Distance.			Observations.	Fraction of Year.
				h.	m.	s.	°	′	″		
71	68 Ceti *o* Var. 1 (*Mira*) ...	9·9	2	2	12	34·80	93	35	17·3	3	0·87
72	... ...	8·4	1	2	12	42·41	93	35	3·8	1	0·95
73	... ...	9·0	1	2	15	42·84	152	33	38·5	1	0·83
74	... ...	8·1	2	2	16	26·84	151	17	49·5	2	0·89
75	... ...	8·0	1	2	20	14·54	146	32	10·1	2	0·90
76	73 Ceti ξ^2	4·4	...	2	21	2·22	82	8	32·6	6	0·80
77	... ...	9·5	2	2	24	18·22	152	35	7·0	2	0·84
78	... ...	9·0	1	2	24	31·84	147	2	13·4	1	0·83
79	... ...	7·9	1	2	27	28·97	147	11	43·5	1	0·93
80	... ...	9·5	1	2	30	49·02	147	34	23·7	1	0·87
81	... ...	9·3	1	2	31	19·08	151	38	53·4	1	0·96
82	... ...	9·4	2	2	34	5·59	74	56	2·7	2	0·84
83	Lacaille 849 ... 1st...	8·0	1	2	36	3·50	150	8	39·0	1	0·85
84	Lacaille 849 ... 2nd...	8·1	2	2	36	8·68	150	8	43·4	2	0·47
85	86 Ceti γ	3·6	...	2	36	21·44	87	19	51·7	2	0·95
86	μ Ceti	4·4	...	2	37	42·05	80	27	13·5	2	0·85
87	Lacaille 868	8·9	1	2	38	36·29	147	12	40·3	1	0·87
88	W. B. N. II. 676 ...	8·0	1	2	40	14·67	75	19	53·3	1	0·86
89	... ...	9·4	1	2	41	45·55	151	2	11·3	1	0·01
90	... ...	7·9	1	2	43	21·24	148	0	6·3	1	0·01
91	... ...	8·8	3	2	44	32·29	148	13	19·6	3	0·88
92	... ...	9·2	1	2	45	22·29	76	27	25·2	1	0·95
93	Lacaille 941	6·6	...	2	50	29·86	146	25	35·0	1	0·85
94	... ...	8·0	1	2	52	25·03	150	16	38·6	1	0·01
95	91 Ceti λ	4·6	...	2	52	32·07	81	37	42·6	1	0·73
96	... .	9·2	1	2	53	18·81	146	43	57·8	1	0·90
97	Lacaille 969	8·0	1	2	54	57·09	144	13	28·7	1	0·96
98	92 Ceti α (*Menkar*) ..	2·7	...	2	55	10·60	86	28	17·6	2	0·94
99	25 Persei ρ Var. 2 ..	3·7	...	2	56	35·82	51	40	53·8	1	0·87
100	Taylor 1037	7·0	2	2	56	56·86	150	21	7·1	2	0·94
101	Taylor 1047	8·0	1	2	59	54·06	151	19	22·2	2	0·46
102	57 Arietis δ	4·5	...	3	3	58·17	70	46	58·2	4	0·96
103	Taylor 1081	7·6	2	3	5	15·30	151	30	49·4	2	0·03
104	Taylor 1092	7·2	2	3	7	18·39	148	19	0·3	2	0·89
105	... ...	8·4	2	3	10	22·60	131	43	44·4	2	0·93

71.—68 Ceti *o* Var. 1 (*Mira*).—Period 331 days.—Range, 2nd to 10th magnitude.
88.—Comparison star for Victoria in 1861.
99.—25 Persei ρ Var. 2.—Changes irregularly from 3·5 to 4·3 magnitude.

Observed with the Madras Meridian Circle in that Year.

Number.	Star.	In Right Ascension. Annual Precession.	In Right Ascension. Secular Variation.	In Right Ascension. Proper Motion.	In Polar Distance. Annual Precession.	In Polar Distance. Secular Variation.	In Polar Distance. Proper Motion.	Number in B. A. C.
		s	s	s	"	"	"	
71	68 Ceti ο Var. 1 (*Mira*)	+ 3·0263	+ 0·0064	− 0·001	− 16·792	+ 0·248	+ 0·23	720
72	... ...	+ 3·0262	+ 0·0064	...	− 16·788	+ 0·249	...	...
73	... ...	+ 1·6349	+ 0·0055	...	− 16·640	+ 0·140	...	...
74	... .	+ 1·7027	+ 0·0036	...	− 16·604	+ 0·146	...	...
75	... ...	+ 1·9102	− 0·0005	...	− 16·416	+ 0·167	...	...
76	73 Ceti ξ²	+ 3·1785	+ 0·0117	+ 0·001	− 16·377	+ 0·276	+ 0·02	760
77	... ...	+ 1·5541	+ 0·0083	...	− 16·209	+ 0·141	...	...
78	... .	+ 1·8565	+ 0·0008	...	− 16·198	+ 0·167	...	...
79	... ...	+ 1·8275	+ 0·0016	...	− 16·043	+ 0·167	...	...
80	... ...	+ 1·7849	+ 0·0027	...	− 15·867	+ 0·166	...	...
81	... ...	+ 1·5526	+ 0·0084	...	− 15·840	+ 0·146	...	...
82	... ...	+ 3·2963	+ 0·0154	...	− 15·690	+ 0·306	...	...
83	Lacaille 849 ... 1st...	+ 1·6058	+ 0·0071	...	− 15·581	+ 0·154	...	...
84	Lacaille 849 ... 2nd...	+ 1·6051	+ 0·0071	...	− 15·577	+ 0·154	...	...
85	86 Ceti γ	+ 3·1114	+ 0·0094	− 0·011	− 15·566	+ 0·294	+ 0·19	837
86	μ Ceti...	+ 3·2149	+ 0·0120	...	− 15·492	+ 0·305	...	845
87	Lacaille 868	+ 1·7477	+ 0·0040	...	− 15·443	+ 0·170	...	...
88	W. B. N. II. 676 ..	+ 3·2974	+ 0·0150	...	− 15·349	+ 0·315	...	...
89	... ...	+ 1·5052	+ 0·0099	...	− 15·264	+ 0·149	...	...
90	... ...	+ 1·6727	+ 0·0057	...	− 15·173	+ 0·167	...	...
91	... ...	+ 1·6523	+ 0·0062	...	− 15·105	+ 0·165	...	...
92	... .	+ 3·2848	+ 0·0144	...	− 15·057	+ 0·322	...	...
93	Lacaille 941	+ 1·7080	+ 0·0053	...	− 14·756	+ 0·175	...	...
94	... ...	+ 1·4718	+ 0·0107	...	− 14·643	+ 0·153	...	...
95	91 Ceti λ	+ 3·2066	+ 0·0117	+ 0·006	− 14·635	+ 0·326	+ 0·03	929
96	... .	+ 1·6737	+ 0·0060	...	− 14·589	+ 0·174	...	...
97	Lacaille 969	+ 1·7893	+ 0·0040	...	− 14·490	+ 0·186	...	...
98	92 Ceti α (*Menkar*) ...	+ 3·1296	+ 0·0098	− 0·002	− 14·470	+ 0·323	+ 0·11	949
99	25 Persei ρ Var. 2 ...	+ 3·8080	+ 0·0332	+ 0·010	− 14·390	+ 0·393	+ 0·11	953
100	Taylor 1037	+ 1·4334	+ 0·0116	...	− 14·368	+ 0·153	...	...
101	Taylor 1047	+ 1·3444	+ 0·0139	...	− 14·187	+ 0·145	...	968
102	57 Arietis δ	+ 3·4073	+ 0·0171	+ 0·010	− 13·933	+ 0·364	0·00	986
103	Taylor 1081	+ 1·2792	+ 0·0156	...	− 13·852	+ 0·141	...	992
104	Taylor 1092	+ 1·4922	+ 0·0100	...	− 13·721	+ 0·165	..	1002
105	... .	+ 2·1916	+ 0·0011	...	− 13·524	+ 0·242	...	...

76.—Proper motions from "*Greenwich Catalogue 1872*"

Mean Positions of Stars for 1866 January 1st.

Number.	Star.	Magnitude.	Estimations.	Mean Right Ascension.			Mean Polar Distance.			Observations.	Fraction of Year.
				h	*m*	*s*	°	′	″		
106	Taylor 1127	8·4	1	3	11	51·76	131	45	53·9	1	0·93
107	... ...	8·5	1	3	12	27·91	130	57	46·0	1	0·81
108	... ...	8·3	2	3	12	45·67	130	49	49·1	2	0·02
109	33 Persei α	1·9	...	3	14	46·03	40	37	7·6	1	0·95
110	... ...	9·5	1	3	14	53·84	150	5	53·5	2	0·91
111	5² Reticuli	5·7	...	3	15	18·58	153	1	7·3	1	0·90
112	... ...	7·2	2	3	20	37·07	149	28	6·1	2	0·49
113	.. ..	9·5	1	3	20	47·00	54	47	20·0	1	0·90
114	R Persei Var. 3	9·7	1	3	21	31·83	54	47	35·8	1	0·97
115	R. P. L. 34	5·8	...	3	22	52·53	3	40	53·6	2	0·33
116	5 Tauri *f*	4·3	...	3	23	28·55	77	31	30·7	2	0·51
117	Lacaille 1143	5·0	...	3	27	3·03	153	24	39·7	1	0·01
118	Lacaille 1149	7·7	3	3	28	40·00	150	18	42·4	4	0·47
119	... ...	6·9	2	3	30	15·80	151	50	36·2	2	0·95
120	Lacaille 1159	6·5	1	3	30	18·78	151	28	12·0	1	0·04
121	Lacaille 1192	9·0	1	3	35	1·42	147	43	21·1	1	0·90
122	... ...	8·9	2	3	35	22·15	150	12	54·1	2	0·03
123	Taylor 1256	7·9	1	3	35	29·64	150	12	52·0	1	0·01
124	Lacaille 1200	6·9	1	3	36	27·19	146	40	8·7	1	0·81
125	... ...	9·0	2	3	38	9·04	136	12	30·7	2	0·47
126	... ...	8·0	1	3	39	27·28	66	30	8·1	1	0·90
127	25 Tauri η (*Alcyone*) ...	3·0	...	3	39	31·28	66	18	43·9	3	0·96
128	... ...	8·6	1	3	45	18·58	76	27	23·9	1	0·01
129	... ...	8·0	1	3	46	35·09	140	38	17·2	1	0·02
130	... ...	7·9	3	3	48	5·94	150	49	51·9	3	0·02
131	34 Eridani γ¹	3·1	...	3	51	46·71	103	53	30·3	4	0·70
132	... ...	9·9	1	3	53	9·39	128	25	1·1	1	0·90
133	35 Tauri λ Var. 1 ..	3·6	...	3	53	15·44	77	53	27·7	2	0·51
134	Lacaille 1327	6·0	1	3	54	20·29	153	51	5·8	1	0·94
135	R. P. L. 35	6·7	...	3	55	26·91	4	48	12·9	3	0·77
136	Lacaille 1347	7·1	1	3	58	9·32	140	2	15·5	1	0·01
137	Lalande 7581	8·0	2	3	58	20·55	74	52	1·1	2	0·02
138	Lacaille 1359 ..	7·9	1	4	0	3·62	147	49	46·8	1	0·04
139	Lacaille 1375 ..	8·0	...	4	2	57·10	148	50	28·3	1	0·03
140	Lalande 7764 ..	7·9	1	4	3	35·03	74	43	32·6	1	0·93

114.—R Persei Var. 3.—Period 209 days.—Range, 8·5 to 12·5 magnitude.
115.—Groombridge 642.
133.—35 Tauri λ Var. 1.—Period 3·95 days.—Range, 3·5 to 4·3 magnitude.
135.—Groombridge 750.
137.—140.—Comparison stars for Asia in 1862.

Observed with the Madras Meridian Circle in that Year.

Number.	Star.	In Right Ascension. Annual Precession.	In Right Ascension. Secular Variation.	In Right Ascension. Proper Motion.	In Polar Distance. Annual Precession.	In Polar Distance. Secular Variation.	In Polar Distance. Proper Motion.	Number in B. A. C.
		s	s	s	″	″	″	
106	Taylor 1127	+ 2·1853	+ 0·0012	...	− 13·429	+ 0·243	...	...
107	... .	+ 2·2080	+ 0·0011	...	− 13·390	+ 0·246	...	.
108	.. .. ..	+ 2·2110	+ 0·0012	...	− 13·370	+ 0·246	..	..
109	33 Persei α	+ 4·2430	+ 0·0483	+ 0·002	− 13·238	+ 0·472	+ 0·05	1043
110	... .	+ 1·3247	+ 0·0138	...	− 13·230	+ 0·151	...	...
111	3² Reticuli	+ 1·0952	+ 0·0203	+ 0·190	− 13·203	+ 0·126	− 0·65	1051
112	... .	+ 1·3316	+ 0·0133	...	− 12·489	+ 0·155	...	..
113	... ...	+ 3·7970	+ 0·0279	...	− 12·839	+ 0·431	..	...
114	R. Persei Var 3 ..	+ 3·7088	+ 0·0278	...	− 12·788	+ 0·432	...	...
115	R. P. L. 34 ...	+ 18·7270	+ 3·2030	+ 0·136	− 12·697	+ 2·119	+ 0·06	1061
116	5 Tauri *f*	+ 3·3015	+ 0·0130	+ 0·002	− 12·656	+ 0·379	+ 0·03	1087
117	Lacaille 1143 ...	+ 0·9740	+ 0·0227	...	− 12·413	+ 0·117	...	1103
118	Lacaille 1149 ..	+ 1·2199	+ 0·0156	...	− 12·301	+ 0·146	...	...
119	.. ..	+ 1·0885	+ 0·0190	...	− 12·190	+ 0·131	...	..
120	Lacaille 1159 ...	+ 1·1190	+ 0·0160	...	− 12·188	+ 0·135	...	..
121	Lacaille 1192 ..	+ 1·3649	+ 0·0120	...	− 11·857	+ 0·165	...	..
122	. ...	+ 1·1861	+ 0·0159	...	− 11·833	+ 0·145	...	.
123	Taylor 1256 . ..	+ 1·1854	+ 0·0159	...	− 11·825	+ 0·145	.	1141
124	Lacaille 1220 ..	+ 1·4250	+ 0·0107	...	− 11·755	+ 0·173	...	...
125	... .	+ 1·5362	+ 0·0044	...	− 11·634	+ 0·223	...	...
126	....	+ 3·5475	+ 0·0176	...	− 11·542	+ 0·428	...	..
127	25 Tauri η *(Alcyone)*.	+ 3·5518	+ 0·0177	+ 0·001	− 11·538	+ 0·430	+ 0·06	1166
128	... ...	+ 3·3402	+ 0·0124	...	− 11·120	+ 0·410	...	...
129	... ...	+ 1·3813	+ 0·0111	...	− 11·026	+ 0·173	...	...
130	... .	+ 1·0627	+ 0·0177	...	− 10·916	+ 0·135	...	...
131	34 Eridani γ¹ ..	+ 2·7918	+ 0·0047	+ 0·002	− 10·645	+ 0·351	+ 0·12	1234
132	... .	+ 2·1700	+ 0·0080	...	− 10·542	+ 0·274	...	..
133	35 Tauri λ Var. I	+ 3·3162	+ 0·0115	− 0·002	− 10·534	+ 0·416	+ 0·02	1241
134	Lacaille 1327 ..	+ 0·7480	+ 0·0250	...	− 10·453	+ 0·097	...	1248
135	R. P. L. 35... ..	+ 16·6903	+ 1·8176	+ 0·057	− 10·370	+ 2·088	− 0·05	1235
136	Lacaille 1347 ..	+ 1·1512	+ 0·0148	...	− 10·168	+ 0·149	..	.
137	Lalande 7581 ..	+ 3·[illegible]830	+ 0·0124	...	− 10·153	+ 0·430	..	...
138	Lacaille 1350	+ 1·2312	+ 0·0131	...	− 10·023	+ 0·160	...	—
139	Lacaille 1375 ..	+ 1·1431	+ 0·0144	...	− 9·804	+ 0·149	...	—
140	Lalande 7764	+ 3·3912	+ 0·0121	...	− 9·754	+ 0·436	..	.

111.—Proper motions from "Stone's Cape Catalogue."
115.—116.—133.—135.—Proper motions from "Greenwich Catalogue 1872."

Mean Positions of Stars for 1866 January 1st.

Number.	Star.	Magnitude.	Estimations.	Mean Right Ascension.			Mean Polar Distance.			Observations.	Fraction of Year.
				h.	m.	s.	°	′	″		
141	38 Eridani o^1	4·1	...	4	5	19·49	97	11	21·4	5	0·38
142	... ...	7·9	3	4	9	20·94	149	30	52·0	3	0·02
143	... ...	8·6	2	4	9	50·78	129	18	33·6	2	0·03
144	Lacaille 1425	6·2	1	4	13	2·82	152	31	45·8	1	0·90
145	... ...	8·9	1	4	13	54·76	70	51	13·1	1	0·94
146	U Tauri Var. 7	10·0	2	4	14	0·68	70	30	28·3	2	0·51
147	61 Tauri δ^1	4·0	...	4	15	12·56	72	46	26·5	1	0·89
148	... ...	9·5	...	4	15	44·32	128	39	23·4	1	0·03
149	... ...	8·0	1	4	16	48·11	140	4	8·9	1	0·03
150	74 Tauri ϵ	3·7	...	4	20	47·66	71	7	12·0	8	0·38
151	R Tauri Var. 2	9·3	2	4	20	57·31	80	8	22·4	2	0·04
152	... ...	10·2	1	4	22	8·78	80	27	46·8	1	0·05
153	... ...	10·2	1	4	22	28·55	80	20	59·4	1	0·04
154	Lacaille 1519	7·0	1	4	25	37·01	153	5	51·5	1	0·04
155	Lacaille 1520	8·6	1	4	26	43·66	147	28	44·9	1	0·06
156	87 Tauri α (*Aldebaran*) ...	1·0	...	4	28	13·99	73	45	47·8	8	0·26
157	... ...	8·2	1	4	28	30·89	140	14	2·3	1	0·06
158	... ...	9·1	1	4	31	45·76	142	59	20·4	1	0·04
159	... ...	9·6	2	4	33	0·97	130	47	58·7	2	0·06
160	... ...	8·5	1	4	33	41·76	67	31	51·3	1	0·96
161	... ...	9·0	1	4	33	55·66	130	51	24·4	1	0·01
162	... ...	8·7	1	4	34	32·69	144	55	36·0	1	0·04
163	95 Tauri	7·2	2	4	35	7·08	66	10	6·2	2	0·50
164	Lacaille 1567	5·5	...	4	35	12·58	152	20	33·3	1	0·02
165	Lacaille 1566	7·8	1	4	35	48·08	148	28	9·4	1	0·06
166	... ...	9·7	1	4	36	26·88	64	19	0·9	1	0·09
167	Lacaille 1582	7·5	3	4	37	20·21	152	38	28·6	3	0·04
168	... ...	9·3	1	4	39	34·32	128	56	48·6	1	0·03
169	... ...	8·9	1	4	40	21·05	151	20	41·8	1	0·04
170	Lacaille 1598	7·8	3	4	41	41·63	129	21	24·3	3	0·06
171	κ Doradûs	5·6	...	4	42	20·44	149	53	46·3	1	0·08
172	... ...	9·5	2	4	43	24·74	130	41	0·2	2	0·05
173	... ...	9·7	1	4	45	32·92	129	24	49·9	1	0·05
174	... ...	7·7	1	4	45	57·41	153	3	51·4	1	0·04
175	Lacaille 1656	7·7	2	4	47	57·98	149	1	48·2	2	0·08

146.—U Tauri Var. 7.—Period unknown.—Range, 9th to 10·5 magnitude.
151.—R Tauri Var. 2.—Period 325 days.—Range, 8th to below 13th magnitude.
168.—The Mean Polar Distance of this star is unaccountably about 30″ too small.

Observed with the Madras Meridian Circle in that Year.

Number.	Star.	In Right Ascension.			In Polar Distance.			Number in B.A.C.
		Annual Precession.	Secular Variation.	Proper Motion.	Annual Precession.	Secular Variation.	Proper Motion.	
		s	s	s	"	"	"	
141	38 Eridani o^1 ...	+ 2·0241	+ 0·0058	− 0·002	− 9·621	+ 0·379	− 0·07	1290
142	... .	+ 1·0607	+ 0·0155	...	− 9·311	+ 0·141	...	...
143	.. ..	+ 2·1016	+ 0·0035	...	− 9·272	+ 0·276	...	...
144	Lacaille 1425 ...	+ 0·7756	+ 0·0210	...	− 9·023	+ 0·105	...	...
145	... .	+ 3·4874	+ 0·0128	...	− 8·956	+ 0·459	...	...
146	U Tauri Var. 7 ...	+ 3·4958	+ 0·0129	...	− 8·948	+ 0·460	...	...
147	61 Tauri δ^1	+ 3·4440	+ 0·0119	+ 0·004	− 8·854	+ 0·455	+ 0·03	1346
148	... ...	+ 2·1112	+ 0·0035	...	− 8·812	+ 0·281	...	...
149	... .	+ 1·0633	+ 0·0146	...	− 8·728	+ 0·144	...	...
150	74 Tauri ϵ	+ 3·4871	+ 0·0120	+ 0·005	− 8·413	+ 0·466	+ 0·03	1376
151	R Tauri Var. 2. ...	+ 3·2832	+ 0·0092	...	− 8·400	+ 0·439	...	...
152	... .	+ 3·2765	+ 0·0090	...	− 8·305	+ 0·439	...	...
153	... ...	+ 3·2792	+ 0·0090	...	− 8·279	+ 0·440	...	...
154	Lacaille 1519 ...	+ 0·6574	+ 0·0212	...	+ 8·028	+ 0·091	...	...
155	Lacaille 1520 ...	+ 1·1464	+ 0·0122	...	− 7·939	+ 0·157	...	...
156	87 Tauri α (*Aldebaran*)	+ 3·4306	+ 0·0105	+ 0·004	− 7·818	+ 0·464	+ 0·17	1420
157	... ...	+ 1·5917	+ 0·0067	...	− 7·794	+ 0·217	...	...
158	... ...	+ 1·4285	+ 0·0082	...	− 7·532	+ 0·196	...	...
159	... ...	+ 2·0001	+ 0·0040	...	− 7·430	+ 0·274	...	...
160	... ...	+ 3·5863	+ 0·0122	...	− 7·375	+ 0·489	...	...
161	... .	+ 1·9961	+ 0·0040	...	− 7·356	+ 0·274	...	...
162	... ...	+ 1·2987	+ 0·0095	...	− 7·306	+ 0·180	...	...
163	95 Tauri	+ 3·0227	+ 0·0125	+ 0·004	− 7·259	+ 0·495	+ 0·00	1453
164	Lacaille 1567 ...	+ 0·6935	+ 0·0186	...	− 7·252	+ 0·097	...	...
165	Lacaille 1566 ...	+ 1·0383	+ 0·0128	...	− 7·204	+ 0·144	...	...
166	... .	+ 3·6728	+ 0·0130	...	− 7·151	+ 0·503	...	...
167	Lacaille 1582 ..	+ 0·6545	+ 0·0189	...	− 7·078	+ 0·092	...	1456
168	... .	+ 2·0570	+ 0·0037	...	− 6·894	+ 0·285	...	...
169	... .	+ 0·7719	+ 0·0163	...	− 6·831	+ 0·109	...	...
170	Lacaille 1598 ..	+ 2·0754	+ 0·0036	...	− 6·720	+ 0·288	...	...
171	κ Doradûs	+ 0·8898	+ 0·0141	...	− 6·667	+ 0·125	...	1489
172	... .	+ 1·9863	+ 0·0040	...	− 6·578	+ 0·277	...	...
173	... .	+ 2·0308	+ 0·0037	...	− 6·401	+ 0·284	...	...
174	... ...	+ 0·5771	+ 0·0196	...	− 6·368	+ 0·083	...	...
175	Lacaille 1656... ..	+ 0·9534	+ 0·0124	...	− 6·200	+ 0·135	...	—

164.—Proper motions from "*Greenwich Catalogue* 1864."

Mean Positions of Stars for 1866 January 1st.

Number.	Star.	Magnitude.	Estimations.	Mean Right Ascension.			Mean Polar Distance.			Observations.	Fraction of Year.
				h.	m.	s.	°	′	″		
176	3 Aurigæ ι	2·7	...	4	48	16·25	57	2	58·5	5	0·03
177	Taylor 1761	7·3	3	4	50	3·66	120	18	27·6	3	0·36
178	... ...	10·6	2	4	51	32·81	82	8	34·4	2	0·04
179	7 Aurigæ ε Var. 1 ...	3·2	...	4	52	21·37	46	22	44·9	3	0·36
180	R Leporis Var. 1	8·4	3	4	53	30·44	105	0	38·1	3	0·07
181	... ...	8·1	3	4	53	50·83	153	0	31·6	3	0·31
182	Taylor 1797	6·9	1	4	54	53·12	148	16	46·9	1	0·93
183	... ...	9·3	1	4	56	0·56	130	17	31·8	1	0·04
184	Lacaille 1697	7·7	1	4	56	55·18	129	6	59·2	1	0·10
185	Taylor 1811	6·4	...	4	57	6·90	129	54	54·8	1	0·06
186	2 Leporis ε	3·3	...	4	59	47·37	112	33	12·5	7	0·19
187	... ...	8·6	3	5	0	3·49	135	23	44·8	3	0·07
188	... ...	9·7	2	5	1	45·78	151	35	59·8	2	0·05
189	Lacaille 1736	8·3	2	5	4	0·34	154	43	33·2	2	0·06
190	... ...	9·6	1	5	4	37·84	135	34	30·2	1	0·07
191	Lacaille 1737	8·0	2	5	4	54·21	150	3	12·5	2	0·08
192	13 Aurigæ α (*Capella*) ...	0·2	...	5	6	47·56	44	8	33·1	2	0·07
193	... ...	8·5	2	5	6	56·10	129	5	53·7	2	0·08
194	19 Orionis β (*Rigel*) ...	0·3	...	5	8	5·92	98	21	33·5	3	0·34
195	... ...	9·5	4	5	10	59·92	129	48	23·1	4	0·06
196	... ...	9·6	3	5	12	1·34	129	46	40·7	3	0·06
197	... ...	9·5	2	5	12	58·92	137	4	37·6	2	0·05
198	... ...	8·4	2	5	13	26·60	153	41	34·0	2	0·09
199	... ...	8·1	2	5	14	51·44	153	29	12·0	2	0·09
200	Lacaille 1822	8·0	1	5	15	45·73	141	43	6·5	1	0·08
201	... ...	8·0	1	5	17	38·08	153	7	14·4	1	0·07
202	112 Tauri β	1·9	...	5	17	49·37	61	30	34·1	9	0·15
203	R. P. L. 40	6·4	...	5	19	21·52	4	52	50·8	1	0·45
204	Lacaille 1851 ..	8·0	1	5	21	42·03	137	12	45·9	1	0·05
205	... .	10·3	1	5	21	50·13	50	40	53·6	1	0·05
206	... ...	7·0	1	5	22	36·02	152	42	0·9	1	0·06
207	... ...	7·7	2	5	23	31·55	151	13	20·9	2	0·08
208	λ Doradûs	5·6	...	5	24	[illegible]	140	1	36·1	1	0·08
209	34 Orionis δ Var. 1 .	2·4	...	5	25	9·71	90	24	5·6	7	0·05
210	... . ..	8·6	2	5	25	15·57	130	35	[illegible]	2	0·11

179.—ε Aurigæ Var. 1.—Supposed to be irregularly variable.
180.—R Leporis Var. 1.—Period 438 days. Range, 6th to 9th magnitude.
203.—Groombridge 944.
205.—Observed in mistake for A[illegible] in 1864.
209.—δ Orionis Var. 1.—Supposed to vary irregularly from 2·3 to 2·7 magnitude.

Observed with the Madras Meridian Circle in that Year.

Number.	Star.	In Right Ascension.			In Polar Distance.			Number in B. A. C.
		Annual Precession.	Secular Variation.	Proper Motion.	Annual Precession.	Secular Variation.	Proper Motion.	
		s	s	s	"	"	"	
176	3 Aurigæ ι	+ 3·8965	+ 0·0144	− 0·003	− 6·175	+ 0·544	+ 0·02	1520
177	Taylor 1761	+ 2·0281	+ 0·0036	...	− 6·025	+ 0·285	...	...
178	... ...	+ 3·2485	+ 0·0068	...	− 5·901	+ 0·456	...	...
179	7 Aurigæ ε Var. 1 ...	+ 4·2912	+ 0·0199	0·000	− 5·834	+ 0·602	0·00	1540
180	R Leporis Var. 1 ...	+ 2·7287	+ 0·0038	...	− 5·738	+ 0·382	...	...
181	... ...	+ 0·5556	+ 0·0172	...	− 5·709	+ 0·080	...	...
182	Taylor 1797	+ 0·9958	+ 0·0111	...	− 5·622	+ 0·141	...	...
183	... ...	+ 1·9825	+ 0·0038	...	− 5·527	+ 0·280	...	...
184	Lacaille 1697 ..	+ 2·0258	+ 0·0036	...	− 5·450	+ 0·286	...	...
185	Taylor 1811	+ 1·9955	+ 0·0038	...	− 5·434	+ 0·282	...	1561
186	2 Leporis ε	+ 2·5358	+ 0·0033	+ 0·001	− 5·208	+ 0·359	+ 0·08	1575
187	... .	+ 1·7626	+ 0·0046	...	− 5·185	+ 0·250	...	...
188	... ...	+ 0·6788	+ 0·0138	...	− 5·011	+ 0·098	...	...
189	Lacaille 1756 ..	+ 0·3245	+ 0·0183	...	− 4·851	+ 0·048	...	...
190	... .	+ 1·7476	+ 0·0045	...	− 4·798	+ 0·250	...	...
191	Lacaille 1757 ...	+ 0·8165	+ 0·0117	...	− 4·775	+ 0·118	...	...
192	13 Aurigæ α (*Capella*)	+ 4·4126	+ 0·0173	+ 0·008	− 4·615	+ 0·620	+ 0·43	1613
193	... .	+ 2·0146	+ 0·0035	...	− 4·602	+ 0·288	...	...
194	19 Orionis β (*Rigel*). .	+ 2·8805	+ 0·0040	− 0·001	− 4·503	+ 0·412	+ 0·02	1623
195	... .	+ 1·9833	+ 0·0036	...	− 4·256	+ 0·285	...	...
196	.. ..	+ 1·9833	+ 0·0036	...	− 4·168	+ 0·285	...	...
197	... ...	+ 1·6046	+ 0·0046	...	− 4·080	+ 0·230	...	...
198	... .	+ 0·4233	+ 0·0144	...	− 4·046	+ 0·062	...	...
199	... ...	+ 0·4439	+ 0·0138	...	− 3·925	+ 0·065	...	...
200	Lacaille 1822 ..	+ 1·4094	+ 0·0057	...	− 3·847	+ 0·204	...	...
201	... .	+ 0·4793	+ 0·0128	...	− 3·685	+ 0·070	...	...
202	112 Tauri β	+ 3·7855	+ 0·0082	+ 0·008	− 3·670	+ 0·545	+ 0·20	1681
203	R. P. L. 40	+ 18·4817	+ 0·6779	...	− 3·537	+ 2·655	...	1662
204	Lacaille 1854 ..	+ 1·6477	+ 0·0042	...	− 3·336	+ 0·238	...	...
205	... .	+ 3·8432	+ 0·0081	...	− 3·324	+ 0·554	...	..
206	. ... ..	+ 0·5162	+ 0·0113	...	− 3·258	+ 0·075	...	...
207	... .	+ 0·6687	+ 0·0098	...	− 3·179	+ 0·097	...	...
208	λ Doradûs	+ 0·8715	+ 0·0081	...	− 3·106	+ 0·127	...	1720
209	34 Orionis δ Var. 1 ..	+ 3·0628	+ 0·0038	+ 0·001	− 3·087	+ 0·443	+ 0·04	1730
210	... .	+ 1·9398	+ 0·0034	...	− 3·028	+ 0·281	...	..

Mean Positions of Stars for 1866 January 1st.

Number.	Star.	Magnitude.	Estimations.	Mean Right Ascension.			Mean Polar Distance.			Observations.	Fraction of Year.
				h.	m.	s.	°	′	″		
211	... ...	8·9	1	5	25	35·87	155	5	13·4	1	0·08
212	11 Leporis α ...	2·7	...	5	26	49·22	107	55	15·0	4	0·06
213	Taylor 2057	7·1	1	5	28	2·63	151	55	34·1	1	0·12
214	Lalande 10532	8·4	3	5	29	16·24	78	15	7·6	3	0·07
215	46 Orionis ε	1·8	...	5	29	24·93	91	17	26·8	3	0·06
216	123 Tauri ζ	3·0	...	5	29	38·27	68	56	32·8	3	0·34
217	... ...	9·5	2	5	29	48·88	135	21	58·3	2	0·08
218	... ...	8·0	2	5	31	0·06	150	12	57·7	2	0·51
219	... ...	9·2	1	5	31	41·90	128	42	10·0	1	0·05
220	Lacaille 1949	5·9	...	5	32	16·49	154	19	1·5	1	0·10
221	... ...	8·6	2	5	32	44·05	150	11	29·9	2	0·06
222	... ...	9·2	1	5	32	45·99	128	41	10·8	1	0·05
223	... ...	8·7	3	5	34	21·52	152	7	54·8	3	0·09
224	α Columbæ	2·7	...	5	34	47·87	124	8	51·6	4	0·04
225	Lacaille 1971	7·1	1	5	36	23·44	149	11	28·0	1	0·13
226	... ...	9·3	1	5	36	47·44	129	57	50·1	1	0·04
227	... ...	9·0	1	5	38	27·74	130	5	21·5	1	0·09
228	... ...	8·7	1	5	39	17·54	79	0	11·3	1	0·06
229	Taylor 2145	6·7	...	5	39	53·16	135	53	44·3	1	0·06
230	... ...	9·0	1	5	39	56·87	135	48	5·0	1	0·08
231	W. B. E. V. 1011 ...	8·3	3	5	40	35·62	78	57	39·8	3	0·07
232	Lacaille 1984	7·6	1	5	40	45·63	130	15	18·7	1	0·11
233	... ...	7·3	2	5	42	10·25	137	3	31·1	2	0·10
234	... ...	9·1	1	5	43	28·67	130	6	52·2	1	0·05
235	54 Orionis χ^1	4·7	...	5	46	26·91	69	45	8·1	1	0·07
236	... ...	9·0	1	5	47	4·94	135	46	40·6	1	0·12
237	Lalande 11166	8·0	3	5	47	8·18	78	[illegible]	38·0	3	0·07
238	58 Orionis α (*Betelgeux*) ..	0·9	...	5	47	55·08	82	37	15·3	2	0·09
239	... ...	7·9	1	5	49	57·28	135	43	6·9	1	0·11
240	Lacaille 2073	7·7	1	5	50	31·02	137	12	37·4	1	0·12
241	... ...	9·5	1	5	51	0·87	130	42	58·4	1	0·10
242	... ...	8·8	2	5	52	45·06	129	32	33·4	2	[illegible]
243	B. P. L. 43	6·6	...	5	52	54·67	3	14	19·5	1	[illegible]
244	... ...	7·8	1	5	53	20·74	131	7	14·1	1	0·10
245	Lalande 11455	7·5	2	5	55	56·16	78	19	12·6	3	[illegible]

237.—245.—Comparison stars for Sappho in 1865.
238.—α Orionis Var. 2 (*Betelgeux*). Irregularly variable from [illegible] to 1·[illegible] magnitude.
243.—Groombridge 1004.

Observed with the Madras Meridian Circle in that Year.

Number.	Star.	In Right Ascension. Annual Precession.	In Right Ascension. Secular Variation.	In Right Ascension. Proper Motion.	In Polar Distance. Annual Precession.	In Polar Distance. Secular Variation.	In Polar Distance. Proper Motion.	Number in B. A. C.
		s	s	s	"	"	"	
211	... ...	+ 0·1232	+ 0·0143	...	− 2·099	+ 0·019	...	...
212	11 Leporis α ...	+ 2·6441	+ 0·0029	+ 0·001	− 2·893	+ 0·383	0·00	1741
213	Taylor 2057 ...	+ 0·5897	+ 0·0096	..	− 2·791	+ 0·086	...	...
214	Lalande 10532 ...	+ 3·3476	+ 0·0045	...	− 2·681	+ 0·485	...	...
215	46 Orionis ε ...	+ 3·0422	+ 0·0035	− 0·002	− 2·669	+ 0·441	+ 0·01	1765
216	123 Tauri ζ ...	+ 3·5824	+ 0·0055	0·000	− 2·649	+ 0·519	+ 0·05	1767
217	... ...	+ 1·7296	+ 0·0037	.	− 2·633	+ 0·251	...	...
218	.. ..	+ 0·7548	+ 0·0079	...	− 2·530	+ 0·110	...	...
219	... .	+ 2·0090	+ 0·0031	...	− 2·471	+ 0·292	..	...
220	Lacaille 1949 ..	+ 0·3123	+ 0·0106	...	− 2·420	+ 0·046	...	1790
221	... ...	+ 0·7548	+ 0·0076	...	− 2·380	+ 0·110	...	...
222	... ...	+ 2·0090	+ 0·0030	...	− 2·378	+ 0·292	...	...
223	... .	+ 0·5594	+ 0·0085	...	− 2·239	+ 0·082	...	...
224	α Columbæ	+ 2·1707	+ 0·0027	+ 0·008	− 2·201	+ 0·316	0·00	1802
225	Lacaille 1971 ...	+ 0·8420	+ 0·0066	...	− 2·063	+ 0·123	...	...
226	... .	+ 1·9574	+ 0·0030	...	− 2·027	+ 0·285	...	...
227	... .	+ 1·9516	+ 0·0030	...	− 1·882	+ 0·284	...	...
228	.. ..	+ 3·3309	+ 0·0036	..	− 1·810	+ 0·485	...	...
229	Taylor 2145	+ 1·6980	+ 0·0033	...	− 1·758	+ 0·248	...	1836
230	... .	+ 1·7024	+ 0·0033	...	− 1·753	+ 0·248	...	...
231	W. B. E. V. 1011 .	+ 3·3320	+ 0·0034	..	− 1·696	+ 0·485	...	..
232	Lacaille 1984 ..	+ 1·9441	+ 0·0030	...	− 1·681	+ 0·284	...	.
233	.. ...	+ 1·6388	+ 0·0034	.	− 1·561	+ 0·239	...	...
234	... . ..	+ 1·9486	+ 0·0028	...	− 1·444	+ 0·285	...	...
235	54 Orionis χ^1 ..	+ 3·5645	+ 0·0034	− 0·016	− 1·185	+ 0·520	+ 0·10	1876
236	... . .	+ 1·7003	+ 0·0030	..	− 1·130	+ 0·248		...
237	Lalande 11166 .	+ 3·3426	+ 0·0030		− 1·125	+ 0·487		...
238	58 Orionis α *Betelgeuse*	+ 3·2450	+ 0·0027	+ 0·001	− 1·057	+ 0·473	0·00	1883
239	. ..	+ 1·7025	+ 0·0030	...	− 0·879	+ 0·248	...	..
240	Lacaille 2073 ...	+ 1·6290	+ 0·0030	...	− 0·826	+ 0·237	.	...
241	.. .. ..	+ 1·9223	+ 0·0027	...	− 0·786	+ 0·280	...	...
242	... ...	+ 1·9688	+ 0·0026	..	− 0·634	+ 0·287	...	...
243	R. P. L. 43 ...	+ [illegible]	+ 0·2[illegible]	...	− 0·621	+ 3·8[illegible]0		1879
244	... .	+ 1·9054	+ 0·0026	.	− 0·582	+ 0·278	..	...
245	Lalande 11485 ..	+ 3·3481	+ 0·0021	...	− 0·355	+ 0·488	...	...

[illegible]—[illegible].—Proper motions from "Greenwich Catalogue 1872."

Mean Positions of Stars for 1866 January 1st.

Number.	Star.	Magnitude.	Estimations.	Mean Right Ascension.			Mean Polar Distance.			Observations.	Fraction of Year.
				h.	*m.*	*s.*	°	′	″		
246	... ...	8·7	1	5	56	13·48	129	57	13·1	1	0·10
247	Taylor 2301	6·9	1	5	58	31·73	148	6	18·0	1	0·10
248	Taylor 2310	6·9	1	5	59	39·09	150	29	3·6	1	0·12
249	... ...	8·0	3	5	59	44·85	129	49	49·0	3	0·12
250	67 Orionis ν	4·4	...	5	59	55·26	75	13	7·3	3	0·08
251	... ...	7·4	2	6	0	54·18	137	28	33·3	2	0·11
252	... ...	8·1	1	6	2	22·02	153	44	41·5	1	0·12
253	Lalande 11732	8·3	3	6	3	29·41	77	58	54·3	3	0·04
254	... ...	7·1	1	6	4	26·32	128	2	35·3	1	0·13
255	... ...	9·2	1	6	5	44·52	77	51	30·8	2	0·06
256	... ...	9·2	...	6	7	29·05	151	18	26·8	1	0·07
257	... ...	8·6	1	6	8	53·73	131	54	47·3	1	0·10
258	... ...	9·0	1	6	8	57·22	130	31	34·8	1	0·10
259	... ...	9·0	2	6	9	31·00	131	50	51·5	2	0·11
260	Lalande 12053	8·4	3	6	12	31·20	68	51	19·5	3	0·13
261	Lalande 12094	8·7	3	6	13	42·23	68	42	3·7	3	0·13
262	Lalande 12120	7·0	1	6	14	12·39	77	4	46·7	1	0·01
263	13 Geminorum μ	3·3	...	6	14	51·18	67	25	16·6	5	0·08
264	Lalande 12155	7·2	2	6	15	5·31	77	22	2·5	2	0·02
265	Lacaille 2273	8·0	1	6	17	4·48	153	58	27·7	1	0·10
266	... ...	8·7	1	6	18	34·05	151	28	28·8	1	0·10
267	Taylor 2485	7·9	1	6	18	34·25	151	16	10·0	1	0·12
268	... .	9·5	1	6	19	47·28	65	39	59·0	1	0·13
269	α Argûs *(Canopus)* .	0·4	...	6	20	58·86	142	38	25·4	1	0·08
270	18 Geminorum ν	4·0	...	6	21	0·35	69	42	23·6	1	0·07
271	Lacaille 2312	7·0	1	6	22	9·80	153	36	40·3	1	0·10
272	.. ..	8·4	1	6	22	10·61	128	48	47·6	1	0·12
273	Lacaille 2329	7·0	2	6	24	6·04	153	44	56·7	2	0·12
274	Taylor 2541	6·1	1	6	24	57·21	147	53	4·0	1	0·1[illegible]
275	Lacaille 2348	7·3	1	6	26	33·08	153	3	45·2	1	0·15
276	... ...	8·7	1	6	28	28·20	130	55	53·1	1	0·10
277	Taylor 2580	6·8	3	6	29	50·78	151	46	52·0	3	0·09
278	24 Geminorum γ	2·0		6	29	58·22	73	29	24·2	11	0·14
279	... ...	8·9	2	6	31	28·08	140	0	18·2	2	0·11
280	R Monocerotis Var. 1 ...	10·5	4	6	31	50·97	81	8	56·9	5	0·13

253.—255.—262.—264.—Comparison stars for Sapp[illegible] in [illegible].
260.—261.—Comparison stars for Ariadne in [illegible].
280.—R Monocerotis Var. 1.—Irregularly variable from [illegible] to 11·5 magnitude.

Observed with the Madras Meridian Circle in that Year.

Number.	Star.	In Right Ascension. Annual Precession.	In Right Ascension. Secular Variation.	In Right Ascension. Proper Motion.	In Polar Distance. Annual Precession.	In Polar Distance. Secular Variation.	In Polar Distance. Proper Motion.	Number in B. A. C.
		s	s	s	"	"	"	
246	... .	+ 1·9522	+ 0·0025	...	− 0·331	+ 0·285	...	...
247	Taylor 2301	+ 0·9236	+ 0·0030	...	− 0·127	+ 0·135	...	1954
248	Taylor 2310	+ 0·7104	+ 0·0030	...	− 0·031	+ 0·104	...	...
249	... .	+ 1·9569	+ 0·0024	...	− 0·022	+ 0·285	...	...
250	67 Orionis ν	+ 3·4248	+ 0·0017	+ 0·001	− 0·007	+ 0·500	+ 0·02	1958
251	... .	+ 1·6143	+ 0·0024	...	+ 0·078	+ 0·236	...	...
252	... .	+ 0·3615	+ 0·0025	...	+ 0·206	+ 0·053	...	...
253	Lalande 11732 ...	+ 3·3567	+ 0·0015	...	+ 0·305	+ 0·490	...	...
254	... .	+ 2·0262	+ 0·0023	...	+ 0·388	+ 0·295	...	...
255	... .	+ 3·3597	+ 0·0013	...	+ 0·501	+ 0·490	...	...
256	... .	+ 0·6306	+ 0·0016	...	+ 0·655	+ 0·092	...	...
257	... .	+ 1·8728	+ 0·0021	...	+ 0·777	+ 0·273	...	...
258	... ...	+ 1·9300	+ 0·0021	...	+ 0·783	+ 0·281	...	...
259	... .	+ 1·8757	+ 0·0021	...	+ 0·833	+ 0·273	...	...
260	Lalande 12053 ...	+ 3·5884	+ 0·0002	...	+ 1·095	+ 0·523	...	...
261	Lalande 12094 ...	+ 3·5924	0·0000	...	+ 1·192	+ 0·522	...	...
262	Lalande 12120 ...	+ 3·3782	+ 0·0005	...	+ 1·242	+ 0·487	...	...
263	13 Geminorum μ ..	+ 3·6268	− 0·0003	+ 0·005	+ 1·299	+ 0·527	+ 0·14	2047
264	Lalande 12155 ...	+ 3·3711	+ 0·0004	...	+ 1·319	+ 0·490	...	...
265	Lacaille 2273 ...	+ 0·3416	− 0·0014	...	+ 1·492	+ 0·049	...	...
266	... ...	+ 0·6146	− 0·0017	...	+ 1·623	+ 0·089	...	...
267	Taylor 2485	+ 0·6411	− 0·0007	...	+ 1·624	+ 0·092	...	...
268	... .	+ 3·6745	− 0·0011	...	+ 1·729	+ 0·533	...	...
269	α Argûs (*Canopus*) ..	+ 1·3292	+ 0·0010	0·000	+ 1·834	+ 0·192	0·00	2096
270	18 Geminorum ν ..	+ 3·5644	− 0·0008	− 0·002	+ 1·837	+ 0·517	+ 0·01	2090
271	Lacaille 2312 ...	+ 0·3002	− 0·0026	...	+ 1·937	+ 0·056	...	...
272	... .	+ 2·0017	+ 0·0018	...	+ 1·937	+ 0·290	...	...
273	Lacaille 2329 ..	+ 0·3760	− 0·0031	...	+ 2·105	+ 0·054	...	2121
274	Taylor 2541	+ 0·9520	− 0·0006	...	+ 2·178	+ 0·137	...	2124
275	Lacaille 2348 ..	+ 0·5678	− 0·0026	...	+ 2·318	+ 0·081	...	2142
276	... .	+ 1·9216	+ 0·0016	...	+ 2·485	+ 0·277	...	...
277	Taylor 2589	+ 0·6017	− 0·0031	...	+ 2·605	+ 0·086	...	2166
278	24 Geminorum γ ..	+ 3·4649	− 0·0015	+ 0·001	+ 2·615	+ 0·500	+ 0·04	2163
279	... .	+ 1·4935	+ 0·0007	...	+ 2·740	+ 0·215	...	...
280	R Monocerotis Var. 1.	+ 3·2783	− 0·0007	...	+ 2·778	+ 0·473	...	...

250.—Proper motions from "*Greenwich Catalogue 1872.*"
269.—Proper motions from "*Stone's Cape Catalogue.*"

Mean Positions of Stars for 1866 January 1st.

Number.	Star.	Magnitude.	Estimations.	Mean Right Ascension. h.	m.	s.	Mean Polar Distance. °	′	″	Observations.	Fraction of Year.
281	... ...	7·7	2	6	34	34·59	130	28	2·1	2	0·11
282	... ...	8·8	2	6	35	51·37	130	38	10·0	2	0·14
283	Taylor 2652	6·2	1	6	36	34·56	151	24	57·0	1	0·10
284	51 Cephei (*Hev.*)	5·3	...	6	36	39·57	2	45	25·3	6	0·22
285	Lacaille 2451	8·0	1	6	38	11·31	155	57	48·9	1	0·09
286	... ...	8·4	1	6	39	11·09	131	3	31·3	1	0·12
287	9 Canis Majoris α (*Sirius*)	− 1·4	...	6	39	14·34	106	32	5·9	1	0·11
288	... ...	8·0	2	6	40	33·29	131	1	33·9	2	0·06
289	... ...	9·2	1	6	40	33·41	151	58	55·3	1	0·15
290	... ...	8·3	3	6	42	27·48	130	57	4·2	3	0·10
291	... ...	9·0	2	6	42	41·09	130	58	14·6	2	0·12
292	... ...	8·7	1	6	42	41·27	130	36	28·7	1	0·14
293	... ...	7·6	1	6	43	45·01	128	30	32·1	1	0·10
294	... ...	9·3	1	6	44	53·54	128	30	36·7	1	0·15
295	Taylor 2724	8·8	1	6	44	55·86	144	36	11·2	1	0·03
296	... ...	9·6	2	6	46	37·03	130	10	14·4	2	0·14
297	α Pictoris	3·3	...	6	46	49·09	151	47	55·0	2	0·07
298	Lacaille 2532	6·8	1	6	48	14·75	150	5	41·7	1	0·18
299	... ...	9·4	2	6	48	51·59	130	10	24·9	2	0·14
300	... ...	9·1	2	6	48	58·22	128	46	10·2	2	0·13
301	Lacaille 2538	8·0	1	6	51	22·71	114	47	41·4	1	0·14
302	21 Canis Majoris ε ...	1·5	...	6	53	21·65	118	47	30·9	9	0·08
303	... ...	8·0	1	6	53	51·80	129	47	42·6	1	0·10
304	... ...	7·9	2	6	55	39·47	129	38	5·2	2	0·09
305	... ...	9·3	1	6	56	25·28	129	17	31·6	1	0·05
306	23 Canis Majoris γ ...	4·1	...	6	57	41·79	105	26	15·7	8	0·07
307	Lalande 13707	8·1	2	6	58	13·43	67	0	50·1	2	0·09
308	R Geminorum Var. 2. ...	7·6	6	6	59	17·19	67	5	37·7	6	0·10
309	.. ..	9·1	2	7	0	39·50	60	50	17·7	2	0·13
310	Taylor 2851	7·1	2	7	0	52·36	145	44	58·3	2	0·17
311	... ...	9·2	3	7	1	18·78	61	4	19·7	3	0·13
312	R Canis Minoris Var. 1. ...	9·7	2	7	1	20·24	79	46	3·1	2	0·14
313	W. B. E. VI. 1020 ..	8·5	2	7	1	34·38	79	41	40·1	2	0·16
314	. .	9·1	2	7	3	27·73	130	14	40·5	2	0·07
315	. ...	9·4	3	7	5	46·26	60	53	47·4	3	0·12

308.—R Geminorum Var. 2.—Period 371 days.—Range, 7th magnitude to invisibility.
309.—311.—315.—Comparison stars for [illegible] in 1866.
312.—R Canis Minoris Var. 1.—Period 336 days.—Range, 7·5 to 11th magnitude.

Observed with the Madras Meridian Circle in that Year.

Number.	Star.	In Right Ascension.			In Polar Distance.			Number in B. A. C.
		Annual Precession.	Secular Variation.	Proper Motion.	Annual Precession.	Secular Variation.	Proper Motion.	
		s	s	s	"	"	"	
281	... ...	+ 1·9445	+ 0·0015	...	+ 3·014	+ 0·279	...	...
282	... .	+ 1·9387	+ 0·0014	...	+ 3·125	+ 0·278	...	...
283	Taylor 2652	+ 0·6495	− 0·0042	...	+ 3·187	+ 0·092	...	2203
284	51 Cephei (*Hev.*) ...	+ 30·4815	− 1·8738	− 0·027	+ 3·194	+ 4·387	+ 0·08	2157
285	Lacaille 2451 ..	+ 0·1158	− 0·0092	...	+ 3·326	+ 0·016	...	...
286	... ...	+ 1·9214	+ 0·0014	...	+ 3·413	+ 0·276	...	...
287	9 Can. Maj. α (*Sirius*).	+ 2·6808	+ 0·0010	− 0·035	+ 3·416	+ 0·384	+ 1·24	2213
288	... ...	+ 1·9270	+ 0·0013	...	+ 3·530	+ 0·275	...	..
289	... ...	+ 0·5986	− 0·0053	...	+ 3·529	+ 0·084	...	...
290	... ...	+ 1·9317	+ 0·0013	...	+ 3·694	+ 0·275	...	...
291	... ...	+ 1·9312	+ 0·0013	...	+ 3·714	+ 0·275	...	...
292	... ...	+ 1·9457	+ 0·0013	...	+ 3·714	+ 0·277	...	...
293	... .	+ 2·0276	+ 0·0013	...	+ 3·805	+ 0·288	...	...
294	... ...	+ 2·0286	+ 0·0014	...	+ 3·903	+ 0·288	...	...
295	Taylor 2724	+ 1·2265	− 0·0014	...	+ 3·907	+ 0·173	...	...
296	... .	+ 1·9667	+ 0·0013	...	+ 4·051	+ 0·279	...	...
297	α Pictoris	+ 0·6306	− 0·0063	− 0·010	+ 4·068	+ 0·088	− 0·18	2260
298	Lacaille 2532 ..	+ 0·7988	− 0·0050	...	+ 4·190	+ 0·112	...	...
299	... ...	+ 1·9689	+ 0·0012	...	+ 4·247	+ 0·279	...	...
300	... ...	+ 2·0227	+ 0·0013	...	+ 4·253	+ 0·286	...	...
301	Lacaille 2538 ...	+ 2·4620	+ 0·0013	...	+ 4·458	+ 0·349	...	...
302	21 Canis Majoris ε ...	+ 2·3571	+ 0·0013	0·000	+ 4·627	+ 0·332	+ 0·02	2293
303	... ...	+ 1·9890	+ 0·0012	...	+ 4·670	+ 0·280	...	...
304	... .	+ 1·9972	+ 0·0012	...	+ 4·823	+ 0·281	...	...
305	... ...	+ 2·0111	+ 0·0012	...	+ 4·888	+ 0·282	...	...
306	23 Canis Majoris γ ..	+ 2·7145	+ 0·0005	+ 0·002	+ 4·996	+ 0·381	+ 0·01	2319
307	Lalande 13707 ..	+ 3·6184	− 0·0057	...	+ 5·040	+ 0·509	...	...
308	R Geminorum Var. 2.	+ 3·6182	− 0·0059	...	+ 5·130	+ 0·508	...	...
309	... .	+ 3·7922	− 0·0081	...	+ 5·246	+ 0·532	...	...
310	Taylor 2851	+ 1·1773	− 0·0033	...	+ 5·264	+ 0·164	...	...
311	... ...	+ 3·7847	− 0·0081	...	+ 5·302	+ 0·531	...	...
312	R Canis Minoris Var. 1	+ 3·3049	− 0·0031	...	+ 5·304	+ 0·463	...	...
313	W. B. E. VI. 1920 .	+ 3·3053	− 0·0031	...	+ 5·324	+ 0·463	...	...
314	... .	+ 1·9836	+ 0·0010	...	+ 5·483	+ 0·276	...	..
315	... .	+ 3·7859	− 0·0088	...	+ 5·677	+ 0·528	...	..

284.—Proper motions from "*Greenwich Catalogue* 1872."
297.—Proper motions from "*Stone's Cape Catalogue.*"

Mean Positions of Stars for 1866 January 1st.

Number.	Star.	Magnitude.	Estimations.	Mean Right Ascension.			Mean Polar Distance.			Observations.	Fraction of Year.
				h	m	s	°	′	″		
316	... ...	7·7	..	7	6	42·80	129	2	56·8	1	0·16
317	Taylor 2923	7·9	1	7	7	18·09	150	21	29·7	1	0·17
318	... ...	9·1	2	7	8	57·61	130	17	31·5	2	0·12
319	Taylor 2940	7·9	1	7	9	32·27	129	57	54·6	1	0·18
320	... ...	9·5	2	7	9	50·44	130	18	45·3	2	0·12
321	54 Geminorum λ	3·6	...	7	10	23·44	73	13	16·1	1	0·08
322	55 Geminorum δ	3·7	...	7	12	7·08	67	46	28·1	11	0·11
323	... ...	8·0	1	7	12	37·35	152	48	8·0	1	0·19
324	.. ..	9·4	2	7	13	5·31	129	16	14·1	2	0·05
325	... ...	7·9	2	7	14	33·88	138	49	48·4	2	0·09
326	Lacaille 2805	8·0	2	7	17	22·62	153	8	18·3	2	0·17
327	... ...	8·6	4	7	17	29·01	129	13	41·0	4	0·10
328	... ...	9·8	2	7	17	41·13	129	46	24·1	2	0·09
329	R. P. L. 45	7·2	...	7	17	49·32	0	59	19·6	3	0·12
330	Taylor 3043	7·2	2	7	19	17·81	129	16	39·6	2	0·03
331	Lacaille 2807	8·1	2	7	19	35·48	142	15	36·7	2	0·15
332	... ...	9·1	1	7	19	50·60	152	35	50·1	1	0·18
333	... ...	7·5	2	7	21	37·92	131	50	40·4	2	0·17
334	... ...	9·1	3	7	23	31·53	129	45	32·8	3	0·39
335	... ...	8·1	1	7	23	57·78	129	10	20·7	1	0·04
336	S Canis Minoris Var. 2 ...	7·6	4	7	25	26·78	81	23	56·3	4	0·11
337	... ...	8·0	1	7	25	30·93	129	18	20·7	1	0·15
338	68 Geminorum	5·0	...	7	25	57·51	73	53	19·0	1	0·08
339	66 Geminorum α² (*Castor*)	2·0	...	7	26	2·74	57	49	17·1	6	0·13
340	... ...	9·7	1	7	26	41·53	129	45	16·7	1	0·04
341	... ...	8·2	4	7	28	0·26	129	42	59·3	4	0·12
342	Taylor 3126	6·9	3	7	29	37·07	143	15	50·5	3	0·17
343	. ...	8·6	2	7	31	8·84	131	10	49·0	2	0·18
344	... ...	9·1	2	7	31	58·57	129	41	9·2	2	0·09
345	10 Can. Min. α (*Procyon*)...	0·5	...	7	32	17·12	84	26	4·7	14	0·10
346	S Geminorum Var. 3. ..	10·6	3	7	34	40·96	66	12	42·6	4	0·07
347	.. ..	9·0	2	7	35	10·80	129	58	7·8	2	0·04
348	... ...	9·9	1	7	35	17·13	66	16	13·8	1	0·12
349	Taylor 3195 ..	7·9	1	7	36	34·66	150	19	22·3	1	0·20
350	... ...	7·9	2	7	36	31·79	128	55	28·7	2	0·17

329.—Groombridge 1119.
336.—S Canis Minoris Var. 2.—Period 332 days.—Range, 8·3 to below 13th magnitude.
346.—S Geminorum Var. 3.—Period 294 days.—Range 8·3 to below 14th magnitude.

Observed with the Madras Meridian Circle in that Year.

Number.	Star.	In Right Ascension.			In Polar Distance.			Number in R. A. C.
		Annual Precession.	Secular Variation.	Proper Motion.	Annual Precession.	Secular Variation.	Proper Motion.	
		s	s	s	"	"	"	
316	... .	+ 2·0332	+ 0·0011	...	+ 5·756	+ 0·282	...	...
317	Taylor 2923	+ 0·8231	− 0·0077	...	+ 5·805	+ 0·113	...	...
318	... ...	+ 1·9895	+ 0·0010	...	+ 5·944	+ 0·274	...	...
319	Taylor 2940	+ 2·0028	+ 0·0010	...	+ 5·992	+ 0·276	...	...
320	... ...	+ 1·9900	+ 0·0009	...	+ 6·017	+ 0·274	...	...
321	54 Geminorum λ ..	+ 3·4561	− 0·0055	− 0·002	+ 6·063	+ 0·478	+ 0·04	2398
322	55 Geminorum δ ...	+ 3·5915	− 0·0072	0·000	+ 6·207	+ 0·495	+ 0·02	2410
323	... ...	+ 0·5999	− 0·0119	...	+ 6·249	+ 0·060	...	...
324	... ...	+ 2·0341	+ 0·0009	...	+ 6·288	+ 0·279	...	...
325	... ...	+ 1·6234	− 0·0088	...	+ 6·410	+ 0·221	...	...
326	Lacaille 2805 ...	+ 0·5814	− 0·0132	...	+ 6·643	+ 0·077	...	...
327	... ...	+ 2·0424	+ 0·0009	...	+ 6·652	+ 0·278	...	...
328	... ...	+ 2·0226	+ 0·0009	...	+ 6·668	+ 0·275	...	...
329	R. P. L. 45 ...	+ 76·1373	− 28·0390	− 0·323	+ 6·680	+ 10·467	− 0·01	2320
330	Taylor 3043	+ 2·0435	+ 0·0009	...	+ 6·800	+ 0·277	...	...
331	Lacaille 2807 ...	+ 1·4479	− 0·0023	...	+ 6·825	+ 0·196	...	...
332	... ...	+ 0·6480	− 0·0127	...	+ 6·847	+ 0·086	...	...
333	... ...	+ 1·9500	+ 0·0006	...	+ 6·923	+ 0·264	...	...
334	... ...	+ 2·0329	+ 0·0009	...	+ 7·149	+ 0·274	...	...
335	... ...	+ 2·0551	+ 0·0009	...	+ 7·184	+ 0·277	...	...
336	S Canis Minoris Var. 2	+ 3·2605	− 0·0044	...	+ 7·306	+ 0·440	...	...
337	... ...	+ 2·0529	+ 0·0009	...	+ 7·311	+ 0·276	...	...
338	68 Geminorum ...	+ 3·4315	− 0·0066	− 0·004	+ 7·347	+ 0·463	0·00	2486
339	66 Gem. α² (*Castor*).	+ 3·8547	− 0·0133	− 0·013	+ 7·354	+ 0·519	+ 0·08	2485
340	... ...	+ 2·0886	+ 0·0009	...	+ 7·406	+ 0·273	...	...
341	... ...	+ 2·0424	+ 0·0009	...	+ 7·513	+ 0·273	...	...
342	Taylor 3126	+ 1·4150	− 0·0032	...	+ 7·644	+ 0·188	...	2507
343	... .	+ 1·9937	+ 0·0008	...	+ 7·768	+ 0·265	...	...
344	... ...	+ 2·0490	+ 0·0009	...	+ 7·834	+ 0·272	...	...
345	10 Can. Min. (*Procyon*)	+ 3·1919	− 0·0041	− 0·048	+ 7·850	+ 0·425	+ 1·08	2522
346	S Geminorum Var. 3	+ 3·6110	− 0·0102	...	+ 8·052	+ 0·480	...	...
347	... ...	+ 2·0467	+ 0·0008	...	+ 8·092	+ 0·270	...	...
348	... ...	+ 3·6098	− 0·0131	...	+ 8·100	+ 0·479	...	...
349	Taylor 3195	+ 0·9312	− 0·0106	...	+ 8·203	+ 0·120	...	...
350	... ...	+ 2·0868	+ 0·0010	...	+ 8·204	+ 0·274	...	...

321.—329.—Proper motions from "*Greenwich Catalogue* 1872."

Mean Positions of Stars for 1866 January 1st.

Number.	Star.	Magnitude.	Estimations.	Mean Right Ascension. h.	m.	s.	Mean Polar Distance. °	′	″	Observations.	Fraction of Year.
351	... ...	7·6	2	7	36	48·31	129	57	34·3	2	0·04
352	78 Geminorum β (*Pollux*).	1·1	...	7	37	6·77	61	39	13·1	16	0·11
353	... ...	7·0	3	7	39	9·68	131	8	54·2	3	0·18
354	... ...	8·5	2	7	40	57·49	153	9	57·8	2	0·19
355	T Geminorum Var. 4 ...	9·8	5	7	41	15·33	65	56	8·7	6	0·11
356	... ...	7·6	1	7	41	34·99	144	18	59·0	1	0·19
357	Lacaille 3031	7·1	2	7	45	7·93	144	22	45·8	2	0·11
358	... ...	8·0	2	7	45	10·85	129	25	9·0	2	0·18
359	U Geminorum Var. 5 ...	9·9	9	7	47	9·24	67	39	0·1	9	0·06
360	Taylor 3310	7·7	1	7	48	35·02	149	18	10·4	2	0·15
361	... ...	9·3	1	7	48	35·76	67	46	26·6	1	0·14
362	... ...	8·4	1	7	49	3·28	130	26	22·5	1	0·16
363	1 Cancri	5·9	...	7	49	22·74	73	51	17·5	1	0·97
364	... ...	8·1	1	7	49	55·53	129	17	41·1	2	0·16
365	... ...	7·6	1	7	49	57·77	149	8	45·0	1	0·10
366	... ...	7·7	1	7	50	9·24	129	38	44·5	1	0·15
367	Taylor 3339	7·9	1	7	51	53·06	144	17	13·7	1	0·18
368	... ...	8·1	2	7	52	2·09	148	22	43·7	2	0·19
369	5 Cancri	6·0	...	7	53	51·90	73	10	43·5	1	0·97
370	Taylor 3373	7·6	1	7	55	16·78	144	12	13·2	1	0·18
371	6 Cancri	5·0	...	7	55	17·06	61	50	0·5	15	0·11
372	... ...	7·9	1	7	55	24·41	128	30	33·0	1	0·20
373	Brisbane 1855	6·8	2	7	55	30·06	152	56	7·0	2	0·18
374	... ...	8·9	2	8	1	24·80	150	31	43·6	2	0·13
375	Lacaille 3174	7·2	1	8	1	27·12	155	38	16·8	1	0·18
376	15 Argûs	2·9	...	8	1	50·32	113	55	13·0	11	0·15
377	... ...	9·5	1	8	2	7·91	113	47	9·2	1	0·20
378	... ...	8·1	2	8	2	16·24	128	39	46·0	2	0·19
379	16 Cancri 3	4·7	...	8	4	31·44	71	57	3·5	1	0·15
380	... ...	7·6	3	8	6	8·10	128	40	54·0	3	0·15
381	... ...	9·0	1	8	8	38·14	128	38	45·3	1	0·08
382	R Cancri Var. 1	7·9	3	8	9	10·45	77	51	55·2	3	0·07
383	... ...	9·6	1	8	10	28·29	151	26	39·7	1	0·08
384	... ...	9·9	1	8	10	35·50	77	38	8·3	1	0·21
385	Lalande 16224	7·0	3	8	10	40·30	73	54	32·8	3	0·17

355.—T Geminorum Var. 4.—Period 288 days.—Range, 8·5 to below 14th magnitude.
359.—U Geminorum Var. 5.—Period 99 days but irregular.—Range, 9th to below 14th magnitude.
382.—R Cancri Var. 1.—Period 354 days.—Range, 6th to below 12th magnitude.
385.—Comparison star for Ariadne in 1863.

Observed with the Madras Meridian Circle in that Year.

Number.	Star.	In Right Ascension.			In Polar Distance.			Number in B. A. C
		Annual Precession.	Secular Variation.	Proper Motion.	Annual Precession.	Secular Variation.	Proper Motion.	
		s	s	s	"	"	"	
351	... ...	+ 2·0503	+ 0·0008	...	+ 8·222	+ 0·260	...	...
352	78 Gem. β (*Pollux*) ...	+ 3·7296	− 0·0128	− 0·049	+ 8·246	+ 0·491	+ 0·06	2555
353	... ...	+ 2·0114	+ 0·0009	...	+ 8·409	+ 0·262	...	...
354	... ...	+ 0·6815	− 0·0161	...	+ 8·551	+ 0·086	...	...
355	T Geminorum Var. 4.	+ 3·6119	− 0·0110	...	+ 8·575	+ 0·472	...	...
356	... ...	+ 1·3902	− 0·0041	...	+ 8·601	+ 0·179	...	...
357	Lacaille 3031 ...	+ 1·3990	− 0·0042	...	+ 8·881	+ 0·179	...	...
358	... ...	+ 2·0868	+ 0·0010	...	+ 8·884	+ 0·269	...	...
359	U Geminorum Var. 5.	+ 3·5628	− 0·0108	...	+ 9·039	+ 0·460	...	...
360	Taylor 3310	+ 1·0682	− 0·0095	...	+ 9·150	+ 0·135	...	...
361	... ...	+ 3·5583	− 0·0109	...	+ 9·151	+ 0·458	...	...
362	... ...	+ 2·0593	+ 0·0010	...	+ 9·186	+ 0·263	...	...
363	1 Cancri	+ 3·4159	− 0·0084	− 0·001	+ 9·212	+ 0·439	+ 0·04	2639
364	... ...	+ 2·1015	+ 0·0011	...	+ 9·255	+ 0·268	...	...
365	... ...	+ 1·0868	− 0·0092	...	+ 9·257	+ 0·137	...	...
366	... ...	+ 2·0897	+ 0·0011	...	+ 9·272	+ 0·266	...	...
367	Taylor 3339	+ 1·4296	− 0·0041	...	+ 9·407	+ 0·180	...	...
368	... ...	+ 1·1553	− 0·0083	...	+ 9·419	+ 0·145	...	...
369	5 Cancri	+ 3·4275	− 0·0090	− 0·001	+ 9·559	+ 0·436	0·00	2664
370	Taylor 3373	+ 1·4477	− 0·0041	...	+ 9·667	+ 0·181	...	...
371	6 Cancri	+ 3·6992	− 0·0148	− 0·005	+ 9·668	+ 0·468	+ 0·07	2672
372	... .	+ 2·1404	+ 0·0013	...	+ 9·677	+ 0·270	...	...
373	Brisbane 1855 ...	+ 0·7807	− 0·0165	...	+ 9·684	+ 0·096	...	2680
374	... ...	+ 1·0306	− 0·0116	...	+ 10·134	+ 0·126	...	...
375	Lacaille 3174 ...	+ 0·5245	− 0·0246	...	+ 10·137	+ 0·062	...	...
376	15 Argûs	+ 2·5608	+ 0·0009	− 0·007	+ 10·166	+ 0·318	− 0·06	2728
377	... ...	+ 2·5645	+ 0·0009	...	+ 10·188	+ 0·318	...	...
378	... ...	+ 2·1510	+ 0·0015	...	+ 10·199	+ 0·266	...	...
379	16 Cancri ζ	+ 3·4451	− 0·0103	+ 0·004	+ 10·368	+ 0·426	+ 0·11	2744
380	... .	+ 2·1597	+ 0·0016	...	+ 10·489	+ 0·264	...	...
381	... ...	+ 2·1670	+ 0·0017	...	+ 10·675	+ 0·263	...	...
382	R Cancri Var. 1 ...	+ 3·3151	− 0·0060	...	+ 10·715	+ 0·401	...	...
383	... ...	+ 1·0029	− 0·0133	...	+ 10·810	+ 0·118	...	...
384	... ...	+ 3·3189	− 0·0062	...	+ 10·819	+ 0·403	...	...
385	Lalande 16224 ..	+ 3·3968	− 0·0097	...	+ 10·825	+ 0·412	...	...

363.—369.—Proper motions from "*Greenwich Catalogue 1872.*"

Mean Positions of Stars for 1866 January 1st.

Number.	Star.	Magnitude.	Estimations.	Mean Right Ascension.			Mean Polar Distance.			Observations.	Fraction of Year.
				h.	m.	s.	°	′	″		
386	... ...	8·4	1	8	11	23·99	152	4	52·9	1	0·12
387	... ...	8·2	1	8	12	21·70	128	44	4·4	2	0·19
388	... ...	8·5	5	8	12	49·73	128	41	17·8	5	0·16
389	... ...	10·0	1	8	13	1·85	130	45	55·2	1	0·21
390	... ...	7·8	2	8	14	53·75	142	17	18·1	2	0·18
391	Lacaille 3297	8·0	3	8	15	2·87	53	59	13·3	3	0·14
392	20 Cancri d^1	5·9	...	8	15	41·24	71	14	25·3	1	0·15
393	... ...	9·0	1	8	17	26·99	141	16	16·2	1	0·16
394	... ...	8·6	2	8	17	29·14	77	49	33·1	2	0·16
395	... ...	10·3	1	8	18	48·94	151	1	8·5	1	0·22
396	Taylor 3599	7·5	3	8	20	19·85	144	53	9·5	4	0·15
397	W. B. N. VIII. 459 ...	8·0	1	8	20	23·90	74	27	44·7	1	0·12
398	29 Cancri	5·9	...	8	21	8·65	75	20	54·5	2	0·08
399	Taylor 3607	6·9	1	8	21	18·41	144	55	46·0	2	0·20
400	... ...	9·0	1	8	21	34·41	131	40	59·6	1	0·09
401	... ...	9·3	1	8	23	14·58	73	25	49·0	2	0·21
402	Taylor 3620	8·0	1	8	23	14·98	130	48	11·7	1	0·10
403	... ...	8·9	1	8	23	36·68	128	38	59·9	1	0·16
404	... ...	9·0	1	8	24	51·70	73	46	4·3	1	0·18
405	33 Cancri η	5·5	...	8	24	57·33	69	6	23·6	9	0·15
406	Taylor 3651	7·6	1	8	25	44·01	130	3	45·2	1	0·18
407	Taylor 3652	7·9	1	8	25	48·23	130	3	2·6	1	0·20
408	Lacaille 3393	8·7	1	8	25	50·32	149	40	35·8	1	0·21
409	W. B. N. VIII. 635 ...	8·5	2	8	27	45·64	73	48	43·9	2	0·20
410	Taylor 3672	7·1	2	8	28	36·04	74	13	31·0	2	0·16
411	... .	9·3	1	8	28	54·27	70	41	5·1	1	0·16
412	W. B. N. VIII. 684 ...	9·2	1	8	29	7·85	70	30	22·5	1	0·22
413	Lacaille 3430	7·3	1	8	29	15·00	151	53	3·3	1	0·18
414	... . .	8·4	2	8	30	18·41	128	47	23·7	2	0·23
415	... .	8·6	1	8	33	13·99	129	23	51·9	1	0·10
416	W. B. N. VIII. 853 ...	8·2	2	8	34	8·62	74	8	3·9	2	0·18
417	.. . ...	8·3	1	8	34	10·23	154	20	49·3	1	0·19
418	.. . ...	9·3	1	8	34	43·93	129	46	37·8	1	0·21
419	45 Cancri A^1	5·6	...	8	35	49·21	76	50	28·4	3	0·13
420	Lacaille 3491	8·4	1	8	36	3·52	152	22	18·3	1	0·21

397.—Comparison star for supposed new variable star, 1864 Feb. 1

401.—409.—410.—416.—Comparison stars for Freia in 1864.

Observed with the Madras Meridian Circle in that Year.

Number.	Star.	In Right Ascension.			In Polar Distance.			Number in B. A. C.
		Annual Precession.	Secular Variation.	Proper Motion.	Annual Precession.	Secular Variation.	Proper Motion.	
		s	s	s	"	"	"	
386	... ...	+ 0·0525	− 0·0147	...	+ 10·879	+ 0·112	...	...
387	.. ..	+ 2·1736	+ 0·0018	...	+ 10·949	+ 0·261	...	...
388	... ...	+ 2·1763	+ 0·0018	...	+ 10·984	+ 0·261	. .	...
389	... ...	+ 2·1083	+ 0·0013	..	+ 10·998	+ 0·252	...	...
390	... ...	+ 1·6340	− 0·0021	...	+ 11·134	+ 0·193	...	...
391	Lacaille 3297 ...	+ 0·7945	− 0·0195	...	+ 11·145	+ 0·091	...	...
392	20 Cancri d¹	+ 3·4490	− 0·0114	− 0·005	+ 11·191	+ 0·413	+ 0·02	2799
393	... ...	+ 1·6961	− 0·0014	...	+ 11·319	+ 0·109	...	...
394	. ...	+ 3·3102	− 0·0084	...	+ 11·322	+ 0·394	...	...
395	... ...	+ 1·0877	− 0·0122	...	+ 11·418	+ 0·126	...	...
396	Taylor 3599	+ 1·5162	− 0·0039	...	+ 11·527	+ 0·176	...	...
397	W. B. N. VIII. 459..	+ 3·3763	− 0·0100	...	+ 11·531	+ 0·398	...	...
398	29 Cancri	+ 3·3574	− 0·0096	− 0·002	+ 11·585	+ 0·395	+ 0·01	2836
399	Taylor 3607	+ 1·5182	− 0·0038	...	+ 11·596	+ 0·176	...	...
400	... .	+ 2·1010	+ 0·0018	...	+ 11·614	+ 0·245	...	...
401	... ...	+ 3·3946	− 0·0109	...	+ 11·734	+ 0·397	...	...
402	Taylor 3620	+ 2·1361	+ 0·0020	...	+ 11·735	+ 0·248	...	...
403	... ...	+ 2·2060	+ 0·0023	...	+ 11·760	+ 0·256	...	...
404	... ...	+ 3·3862	− 0·0106	...	+ 11·849	+ 0·394	...	...
405	33 Cancri η	+ 3·4837	− 0·0129	− 0·005	+ 11·856	+ 0·404	+ 0·06	2862
406	Taylor 3651	+ 2·1675	+ 0·0022	...	+ 11·911	+ 0·249	...	...
407	Taylor 3652	+ 2·1681	+ 0·0022	...	+ 11·914	+ 0·249	...	...
408	Lacaille 3393 ...	+ 1·2346	− 0·0095	...	+ 11·928	+ 0·140	...	...
409	W. B. N. VIII. 635..	+ 3·3823	− 0·0107	...	+ 12·053	+ 0·390	...	...
410	Taylor 3672	+ 3·3732	− 0·0105	...	+ 12·112	+ 0·387	...	2888
411	... ...	+ 3·4452	− 0·0124	...	+ 12·133	+ 0·395	...	...
412	W. B. N. VIII. 684..	+ 3·4456	− 0·0124	...	+ 12·149	+ 0·395	...	...
413	Lacaille 3430 ...	+ 1·0819	− 0·0135	...	+ 12·156	+ 0·121	...	...
414	... .	+ 2·2204	+ 0·0026	...	+ 12·230	+ 0·252	...	...
415	.. ..	+ 2·2104	+ 0·0026	..	+ 12·431	+ 0·248	...	..
416	W. B. N. VIII. 852..	+ 3·3694	− 0·0109	...	+ 12·495	+ 0·379	...	...
417	.. ..	+ 0·8947	− 0·0197	...	+ 12·496	+ 0·097	...	...
418	.. ..	+ 3·2082	+ 0·0027	...	+ 12·534	+ 0·246	...	.
419	45 Cancri A² .	+ 3·3152	− 0·0096	− 0·002	+ 12·609	+ 0·371	− 0·01	2942
420	Lacaille 3491 ..	+ 1·0875	− 0·0141	...	+ 12·625	+ 0·118	...	2949

392.—398.—Proper motions from "*Greenwich Catalogue* 1872."

Mean Positions of Stars for 1866 January 1st.

Number.	Star.	Magnitude.	Estimations.	Mean Right Ascension.			Mean Polar Distance.			Observations.	Fraction of Year.
				h.	m.	s.	°	′	″		
421	b Velorum	4·1	...	8	36	10·93	136	10	25·5	1	0·20
422	S Cancri Var. 2	8·8	3	8	36	16·64	70	29	12·4	3	0·20
423	Lalande 17231	7·8	2	8	37	50·89	74	28	8·3	2	0·20
424	W. B. N. VIII. 977 ...	9·7	2	8	39	21·87	74	49	26·0	2	0·17
425	11 Hydræ ε	3·6	...	8	39	40·71	83	5	32·2	9	0·17
426	... ...	7·8	1	8	40	33·89	129	15	59·4	1	0·19
427	Lacaille 3534	8·5	1	8	42	21·65	129	18	32·4	1	0·21
428	W. B. N. VIII. 1043 ...	8·3	2	8	42	28·16	74	40	21·5	2	0·21
429	... ...	9·2	1	8	42	59·47	136	10	54·2	1	0·14
430	Lacaille 3573	7·8	3	8	44	15·19	152	41	52·7	3	0·10
431	S Hydræ Var. 3	8·0	5	8	46	34·56	86	25	40·8	5	0·19
432	... ...	8·6	1	8	46	48·43	132	53	42·3	1	0·21
433	R. P. L. 60	6·5	...	8	46	50·33	5	17	22·6	1	0·18
434	... ...	8·0	2	8	46	59·95	136	6	28·1	2	0·22
435	... ...	8·7	2	8	47	44·23	132	56	21·7	2	0·24
436	T Cancri Var. 3	8·8	3	8	49	0·66	69	38	27·7	4	0·20
437	T Hydræ Var. 4	7·9	7	8	49	8·59	98	37	55·7	7	0·15
438	... ...	8·3	2	8	49	17·84	132	54	48·4	2	0·23
439	0 Ursæ Majoris ι	3·2	...	8	50	1·21	41	26	6·4	1	0·09
440	... ...	8·2	1	8	50	19·69	132	57	23·9	1	0·19
441	65 Cancri α	4·3	...	8	51	9·34	77	37	35·3	4	0·14
442	... ...	9·2	1	8	54	5·95	132	54	10·5	1	0·23
443	... ...	8·7	1	8	54	24·83	130	35	21·7	1	0·20
444	... ...	8·5	2	8	54	51·72	130	35	56·4	2	0·18
445	.. ..	8·0	1	8	55	1·03	142	49	24·5	1	0·14
446	... .	8·5	1	8	56	40·61	146	46	30·2	1	0·16
447	.. ..	9·5	1	8	56	47·82	129	18	40·9	1	0·10
448	... ...	8·7	...	8	56	58·10	146	35	4·1	1	0·21
449	...	9·0	1	8	58	9·29	14[illegible]	50	10·6	1	0·16
450	... .	9·1	1	8	58	12·73	146	18	50·9	1	0·09
451	.. ..	8·2	3	8	59	9·49	145	38	37·2	3	0·23
452	76 Cancri κ	5·0	...	9	0	29·23	78	47	42·3	3	0·11
453	... ...	8·8	...	9	1	54·87	128	57	41·6	1	0·20
454	Lacaille 3705	7·0	1	9	2	16·79	151	17	33·9	2	0·20
455	.. ..	9·2	2	9	4	1·58	132	48	14·4	2	0·14

422.—S Cancri Var. 2.—Period 9·48 days.—Range, 8th to 10·5 magnitude.
423.—424.—428.—Comparison stars for Fresa in 1864.
431.—S Hydræ Var. 3.—Period 256 days.—Range, 8th to 13th magnitude.
433.—Carrington 1286.
436.—T Cancri Var. 3.—Period 481 days.—Range, 8th to 10·5 magnitude.
437.—T Hydræ Var. 4.—Period 289 days.—Range, 7th to below 12th magnitude.

Observed with the Madras Meridian Circle in that Year.

Number.	Star.	In Right Ascension.			In Polar Distance.			Number in B. A. C.
		Annual Precession.	Secular Variation.	Proper Motion.	Annual Precession.	Secular Variation.	Proper Motion.	
		s	s	s	"	"	"	
421	b Velorum	+ 1·9903	+ 0·0018	...	+ 12·633	+ 0·221	...	2947
422	S Cancri Var. 2 .	+ 3·4400	− 0·0130	...	+ 12·640	+ 0·385	...	...
423	Lalande 17231 ...	+ 3·3590	− 0·0109	...	+ 12·740	+ 0·373	...	...
424	W. B. N. VIII. 977 .	+ 3·3500	− 0·0108	...	+ 12·849	+ 0·369	...	...
425	11 Hydræ ε	+ 3·1962	− 0·0071	− 0·013	+ 12·869	+ 0·351	+ 0·04	2971
426	... .	+ 2·2365	+ 0·0031	...	+ 12·928	+ 0·244	...	...
427	Lacaille 3534 ...	+ 2·2408	+ 0·0032	...	+ 13·048	+ 0·242	...	...
428	W. B. N. VIII. 1043	+ 3·3503	− 0·0109	...	+ 13·056	+ 0·365	...	...
429	... .	+ 2·0165	+ 0·0023	...	+ 13·091	+ 0·217	...	...
430	Lacaille 3573 ..	+ 1·1193	− 0·0140	...	+ 13·174	+ 0·117	...	3008
431	S Hydræ Var. 3 ...	+ 3·1345	− 0·0059	...	+ 13·326	+ 0·336	...	...
432	... .	+ 2·1447	+ 0·0032	...	+ 13·341	+ 0·228	...	...
433	R. P. L. 60... ..	+ 13·5531	− 1·7306	...	+ 13·344	+ 1·502	...	...
434	... .	+ 2·0353	+ 0·0026	...	+ 13·354	+ 0·216	...	...
435	... ...	+ 2·1466	+ 0·0032	...	+ 13·402	+ 0·227	...	...
436	T Cancri Var. 3 ..	+ 3·4394	− 0·0141	...	+ 13·486	+ 0·366	...	...
437	T Hydræ Var. 4 ..	+ 2·9220	− 0·0018	...	+ 13·494	+ 0·309	...	...
438	... ...	+ 2·1531	+ 0·0033	...	+ 13·503	+ 0·220	...	...
439	9 Ursæ Majoris ι ...	+ 4·1887	− 0·0446	− 0·017	+ 13·550	+ 0·443	+ 0·28	3048
440	... ...	+ 2·1559	+ 0·0034	...	+ 13·570	+ 0·226	...	...
441	65 Cancri α	+ 3·2874	− 0·0098	0·000	+ 13·623	+ 0·346	+ 0·04	3055
442	... .	+ 2·1712	+ 0·0037	...	+ 13·811	+ 0·223	...	...
443	... ...	+ 2·2427	+ 0·0039	...	+ 13·831	+ 0·231	...	...
444	... .	+ 2·2439	+ 0·0039	...	+ 13·860	+ 0·231	...	...
445	... .	+ 1·7957	+ 0·0005	...	+ 13·870	+ 0·184	...	...
446	... ...	+ 1·6079	− 0·0026	...	+ 13·974	+ 0·162	...	...
447	... ...	+ 2·2873	+ 0·0040	...	+ 13·981	+ 0·233	...	...
448	... .	+ 1·6204	− 0·0023	...	+ 13·992	+ 0·163	...	...
449	... . ..	+ 1·6138	− 0·0024	...	+ 14·066	+ 0·162	...	..
450	. ..	+ 1·6128	− 0·0018	...	+ 14·070	+ 0·165	...	...
451	... ...	+ 1·6840	− 0·0010	...	+ 14·129	+ 0·168	...	...
452	76 Cancri κ	+ 3·2500	− 0·0091	− 0·002	+ 14·211	+ 0·330	0·00	3111
453	... .	+ 2·3141	+ 0·0044	...	+ 14·290	+ 0·231	...	...
454	Lacaille 3705 .	+ 1·3631	− 0·0083	...	+ 14·321	+ 0·133	...	—
455	... ...	+ 2·2120	+ 0·0045	...	+ 14·427	+ 0·218	...	...

Mean Positions of Stars for 1866 January 1st.

Number.	Star.	Magnitude.	Estimations.	Mean Right Ascension.			Mean Polar Distance.			Observations.	Fraction of Year.
				h.	m.	s.	°	′	″		
456	... ...	8·9	2	9	4	28·34	130	30	9·5	2	0·18
457	... ...	8·2	4	9	4	29·28	132	45	57·8	4	0·20
458	Lacaille 3713	8·1	2	9	4	38·27	143	40	41·6	2	0·23
459	Taylor 4021	7·2	2	9	5	35·43	138	44	39·1	2	0·23
460	... ...	8·0	1	9	6	30·91	142	29	54·2	1	0·27
461	... ...	9·3	1	9	8	17·65	148	14	44·8	1	0·21
462	Lacaille 3774	8·9	2	9	9	56·08	157	10	14·7	2	0·19
463	83 Cancri	6·6	...	9	11	29·88	71	43	43·8	10	0·17
464	... ...	8·2	1	9	13	10·02	72	18	27·7	1	0·08
465	ι Argûs	2·5	...	9	13	30·20	148	42	53·7	2	0·21
466	... ...	8·3	3	9	15	19·28	143	49	11·9	3	0·25
467	... ...	8·9	3	9	16	10·21	140	8	5·3	3	0·23
468	... ...	9·5	1	9	17	39·24	75	6	0·1	2	0·20
469	... ...	7·0	2	9	19	35·65	75	7	3·5	2	0·15
470	... ...	9·2	2	9	20	28·91	137	28	27·6	2	0·21
471	... ...	9·5	1	9	20	53·20	158	38	45·1	1	0·23
472	30 Hydræ α Var. 2. ...	2·0	...	9	21	0·11	98	4	46·7	14	0·17
473	25 Ursæ Majoris θ ...	3·2	...	9	23	52·62	37	42	55·2	2	0·23
474	... ...	9·5	1	9	24	22·02	158	41	16·9	1	0·26
475	... ...	9·0	...	9	24	37·75	130	26	44·0	1	0·23
476	6 Leonis λ...	5·4	...	9	24	46·50	79	41	42·7	2	0·08
477	... ...	8·0	1	9	26	59·21	144	58	40·4	1	0·18
478	Taylor 4222	7·6	2	9	27	48·32	146	23	52·3	2	0·18
479	... ...	8·9	5	9	28	3·41	128	46	24·8	5	0·19
480	... ...	7·9	1	9	28	31·74	144	0	13·5	1	0·26
481	... ...	9·2	2	9	28	59·71	128	47	27·9	2	0·18
482	.. ..	9·0	1	9	29	6·06	128	50	6·1	1	0·23
483	... ...	9·3	2	9	29	36·31	146	34	7·2	2	0·22
484	Taylor 4250	4·9	...	9	32	1·98	138	45	20·9	3	0·19
485	... ...	9·0	1	9	32	32·48	120	54	24·3	1	0·14
486	R. P. L. 60	7·9	...	9	33	30·18	2	47	22·1	1	0·72
487	14 Leonis ο	3·8	...	9	33	59·85	70	30	0·3	3	0·18
488	... ...	8·8	1	9	35	37·42	151	56	52·9	1	0·28
489	... ...	8·1	3	9	35	53·17	148	40	39·3	2	0·27
490	... ...	8·5	1	9	36	52·29	151	54	22·2	1	0·26

472.—30 Hydræ α Var. 2.—Supposed to vary irregularly from 2·0 to 2·5 magnitude.
486.—Carrington 1418.

Observed with the Madras Meridian Circle in that Year.

Number.	Star.	In Right Ascension.			In Polar Distance.			Number in B. A. C.
		Annual Precession.	Secular Variation.	Proper Motion.	Annual Precession.	Secular Variation.	Proper Motion.	
		s	s	s	"	"	"	
456	... ...	+ 2·2805	+ 0·0047	...	+ 14·455	+ 0·225	...	...
457	... ...	+ 2·2150	+ 0·0046	...	+ 14·456	+ 0·218	...	...
458	Lacaille 3713 ...	+ 1·8055	+ 0·0010	...	+ 14·465	+ 0·176	...	...
459	Taylor 4031	+ 2·0209	+ 0·0037	...	+ 14·522	+ 0·197	...	...
460	... ...	+ 1·8756	+ 0·0022	...	+ 14·578	+ 0·182	...	...
461	... ...	+ 1·6009	− 0·0025	...	+ 14·685	+ 0·153	...	...
462	Lacaille 3774 ...	+ 0·9258	− 0·0244	...	+ 14·782	+ 0·085	...	...
463	83 Cancri	+ 3·3681	− 0·0134	− 0·012	+ 14·874	+ 0·323	+ 0·16	3171
464	... ...	+ 3·3559	− 0·0131	...	+ 14·972	+ 0·320	...	...
465	ι Argûs	+ 1·6106	− 0·0022	...	+ 14·991	+ 0·150	...	3186
466	... ...	+ 1·8686	+ 0·0026	...	+ 15·097	+ 0·174	...	...
467	... ...	+ 2·0226	+ 0·0045	...	+ 15·145	+ 0·186	...	...
468	... ...	+ 3·3036	− 0·0116	...	+ 15·229	+ 0·307	...	...
469	... ...	+ 3·3010	− 0·0116	...	+ 15·340	+ 0·303	...	...
470	... ...	+ 2·1375	+ 0·0057	...	+ 15·390	+ 0·193	...	...
471	... ...	+ 0·8841	− 0·0285	...	+ 15·413	+ 0·076	...	...
472	30 Hydræ α Var. 2 ...	+ 2·9506	− 0·0013	− 0·004	+ 15·420	+ 0·268	− 0·03	3223
473	25 Ursæ Majoris θ ...	+ 4·1608	− 0·0561	− 0·111	+ 15·578	+ 0·374	+ 0·57	3242
474	... ...	+ 0·9197	− 0·0275	...	+ 15·606	+ 0·077	...	...
475	... ...	+ 2·3573	+ 0·0064	...	+ 15·620	+ 0·209	...	...
476	6 Leonis h	+ 3·2245	− 0·0092	− 0·002	+ 15·628	+ 0·288	+ 0·03	3251
477	... ...	+ 1·8908	+ 0·0038	...	+ 15·748	+ 0·164	...	...
478	Taylor 4222	+ 1·8319	+ 0·0029	...	+ 15·794	+ 0·158	...	...
479	... ...	+ 2·4112	+ 0·0066	...	+ 15·806	+ 0·210	...	...
480	... ...	+ 1·9423	+ 0·0017	...	+ 15·832	+ 0·167	...	...
481	... ...	+ 2·4143	+ 0·0067	...	+ 15·856	+ 0·209	...	...
482	... ...	+ 2·4136	+ 0·0068	...	+ 15·862	+ 0·208	...	...
483	... ...	+ 1·8364	+ 0·0031	...	+ 15·890	+ 0·156	...	...
484	Taylor 4259	+ 2·1546	+ 0·0063	...	+ 16·017	+ 0·182	...	3300
485	... ...	+ 2·4013	+ 0·0072	...	+ 16·045	+ 0·203	...	...
486	R. P. L. 69	+ 19·4440	− 5·7486	...	+ 16·096	+ 1·685	...	...
487	14 Leonis o	+ 3·2194	− 0·0093	− 0·013	+ 16·122	+ 0·272	+ 0·04	3312
488	... .	+ 1·5939	− 0·0020	...	+ 16·205	+ 0·130	...	...
489	... ...	+ 1·7792	+ 0·0026	...	+ 16·219	+ 0·146	...	...
490	... .	+ 1·6078	− 0·0016	...	+ 16·270	+ 0·130	...	...

Mean Positions of Stars for 1866 January 1st.

Number.	Star.	Magnitude.	Estimations.	Mean Right Ascension.			Mean Polar Distance.			Observations.	Fraction of Year.
				h.	m.	s.	°	′	″		
491	R Leonis Minoris Var. 1. .	7·7	6	9	31	31·71	54	52	28·6	7	0·16
492	17 Leonis ε	3·1	...	9	38	14·35	65	36	40·9	9	0·17
493	B. F. 1383	6·0	...	9	39	5·70	82	40	32·9	1	0·27
494	18 Leonis	6·1	...	9	39	10·10	77	34	29·1	2	0·23
495	l Carinæ Var. 1	4·0	...	9	41	34·00	151	53	28·7	1	0·26
496	... ...	8·0	4	9	41	34·65	130	46	23·6	4	0·26
497	... ...	8·0	2	9	44	9·45	147	2	9·9	2	0·18
498	... ...	9·2	1	9	46	0·78	129	3	25·9	1	0·17
499	... ...	9·4	1	9	46	31·72	129	7	29·2	1	0·14
500	R. P. L. 70	6·5	...	9	46	40·20	5	26	25·3	1	0·24
501	... ...	9·5	1	9	48	37·11	152	8	16·0	1	0·26
502	W. B. E. IX. 1057 ..	7·5	3	9	49	51·00	85	7	17·5	3	0·14
503	... ...	8·7	3	9	50	51·57	145	39	47·1	3	0·27
504	29 Leonis π	5·0	...	9	53	7·80	81	18	52·7	15	0·16
505	... ...	9·2	2	9	53	56·81	152	7	22·6	2	0·24
506	... ...	8·0	3	9	54	13·09	143	58	50·0	3	0·18
507	Taylor 4445	7·9	1	9	54	47·21	147	29	13·7	1	0·27
508	... ...	8·0	1	9	55	56·17	147	24	50·3	1	0·28
509	... ...	9·8	1	9	56	3·55	129	57	59·8	1	0·22
510	... ...	9·3	2	9	57	12·38	129	57	13·0	2	0·21
511	Taylor 4476	8·8	1	9	57	55·68	145	36	38·5	1	0·22
512	... ...	9·2	1	9	58	13·54	143	54	41·5	1	0·29
513	Taylor 4484	7·4	1	9	58	44·41	151	30	33·5	1	0·28
514	32 Leonis α, (*Regulus*) ...	1·4	...	10	1	13·95	77	22	46·3	13	0·16
515	... ...	8·9	3	10	1	26·20	130	2	33·9	3	0·27
516	Lacaille 4164	7·6	3	10	2	16·90	143	54	37·5	4	0·22
517	... ...	9·3	1	10	2	51·70	129	58	11·1	1	0·08
518	... ...	8·7	2	10	5	18·56	140	30	20·0	2	0·25
519	.. ..	8·5	3	10	7	12·37	129	58	43·3	3	0·17
520	... .	8·9	2	10	9	6·44	139	52	16·4	2	0·28
521	Taylor 4577 ..	9·0	1	10	9	52·95	128	37	32·7	1	0·17
522	... ...	8·3	1	10	9	55·57	145	34	57·5	1	0·29
523	.. ..	9·5	1	10	10	20·55	139	51	46·8	1	0·30
524	41 Leonis γ¹	2·2	...	10	12	34·84	69	28	55·9	5	0·22
525	... ...	9·6	1	10	12	56·57	128	37	31·3	1	0·17

491.—R Leonis Minoris Var 1.—Period 375 days.—Range, 6·5 to below 11th magnitude.
495.—l Carinæ Var. 1.—Period 31 days.—Range, 3·7 to 5·2 magnitude.
500.—Carrington 1451.
502.—Comparison stars for Asia in 1864.

Observed with the Madras Meridian Circle in that Year.

Number.	Star.	In Right Ascension. Annual Precession.	In Right Ascension. Secular Variation.	In Right Ascension. Proper Motion.	In Polar Distance. Annual Precession.	In Polar Distance. Secular Variation.	In Polar Distance. Proper Motion.	Number in B. A. C.
		s	s	s	"	"	"	
491	R Leonis Min. Var. 1.	+ 3·6199	− 0·0276	...	+ 16·303	+ 0·301	...	...
492	17 Leonis ε	+ 3·4235	− 0·0180	− 0·004	+ 16·340	+ 0·282	+ 0·02	3331
493	B. F. 1383	+ 3·1712	− 0·0075	...	+ 16·383	+ 0·260	...	3336
494	18 Leonis	+ 3·2419	− 0·0103	− 0·003	+ 16·386	+ 0·266	− 0·06	3337
495	*l* Carinæ Var. 1 ...	+ 1·6504	− 0·0001	− 0·003	+ 16·506	+ 0·130	− 0·02	3353
496	... .	+ 2·4173	+ 0·0083	...	+ 16·507	+ 0·193	...	...
497	... ...	+ 1·9204	+ 0·0060	...	+ 16·634	+ 0·150	...	...
498	... .	+ 2·4735	+ 0·0086	...	+ 16·724	+ 0·192	...	..
499	... .	+ 2·4740	+ 0·0086	...	+ 16·749	+ 0·192	...	...
500	R. P. L. 70... ..	+ 10·7820	− 1·5841	...	+ 16·756	+ 0·857	...	...
501	... .	+ 1·7004	+ 0·0017	...	+ 16·849	+ 0·128	...	...
502	W. B. E. IX. 1057...	+ 3·1335	− 0·0062	...	+ 16·907	+ 0·239	...	...
503	... .	+ 2·0267	+ 0·0082	...	+ 16·955	+ 0·151	...	...
504	29 Leonis π	+ 3·1794	− 0·0080	− 0·003	+ 17·060	+ 0·236	+ 0·03	3415
505	.. ..	+ 1·7509	+ 0·0034	...	+ 17·006	+ 0·127	...	...
506	... ...	+ 2·1128	+ 0·0097	...	+ 17·110	+ 0·154	...	...
507	Taylor 4445	+ 1·9823	+ 0·0083	...	+ 17·135	+ 0·143	...	...
508	... ...	+ 1·9943	+ 0·0086	...	+ 17·187	+ 0·143	...	...
509	... ...	+ 2·4952	+ 0·0097	...	+ 17·193	+ 0·180	...	...
510	... ...	+ 2·5003	+ 0·0099	...	+ 17·244	+ 0·179	...	...
511	Taylor 4476	+ 2·0801	+ 0·0100	...	+ 17·277	+ 0·147	...	...
512	... ...	+ 2·1427	+ 0·0105	...	+ 17·290	+ 0·151	...	...
513	Taylor 4484 . ..	+ 1·8287	+ 0·0058	...	+ 17·312	+ 0·128	...	...
514	32 Leonis α (*Regulus*)	+ 3·2203	− 0·0102	− 0·019	+ 17·422	+ 0·225	− 0·01	3459
515	... ...	+ 2·5164	+ 0·0105	...	+ 17·431	+ 0·175	...	...
516	Lacaille 4164	+ 2·1709	+ 0·0115	...	+ 17·466	+ 0·148	...	...
517	.. . ..	+ 2·5240	+ 0·0106	...	+ 17·492	+ 0·172	..	...
518	... ...	+ 2·2937	+ 0·0124	...	+ 17·596	+ 0·153	...	...
519	.. ..	+ 2·5424	+ 0·0112	...	+ 17·675	+ 0·167	...	...
520	.. ..	+ 2·3342	+ 0·0131	...	+ 17·753	+ 0·150	..	...
521	Taylor 4577 ..	+ 2·5784	+ 0·0112	...	+ 17·784	+ 0·166	...	..
522	.. .	+ 2·1705	+ 0·0129	.	+ 17·786	+ 0·138	..	...
523	.. ..	+ 2·3420	+ 0·0134	...	+ 17·802	+ 0·149	..	...
524	41 Leonis γ' .	+ 3·2980	− 0·0148	+ 0·019	+ 17·802	+ 0·208	+ 0·15	3523
525	..	+ 2·8011	+ 0·0115	...	+ 17·807	+ 0·162	..	

494.—Proper motions from "*Greenwich Catalogue 1872.*"
495.—Proper motions from "*Stone's Cape Catalogue.*"

Mean Positions of Stars for 1866 January 1st.

Number.	Star.	Magnitude.	Estimations.	Mean Right Ascension.			Mean Polar Distance.			Observations.	Fraction of Year.
				h	m	s	°	′	″		
526	... ...	8·6	2	10	14	42·39	150	26	12·0	2	0·26
527	... ...	9·3	1	10	16	14·56	75	25	6·8	1	0·29
528	.. ..	8·2	2	10	16	17·10	129	16	50·8	2	0·29
529	Taylor 4653	8·0	2	10	18	6·19	151	23	50·2	2	0·22
530	44 Leonis	6·2	...	10	18	11·32	80	32	9·8	3	0·19
531	... ...	9·5	1	10	18	49·75	146	9	4·4	1	0·29
532	... ...	7·9	3	10	21	56·87	146	55	31·0	3	0·26
533	... ...	9·4	3	10	22	0·44	146	59	37·0	3	0·24
534	... ...	10·2	1	10	23	28·48	76	5	55·5	1	0·30
535	... ...	8·4	3	10	24	10·08	146	55	42·1	3	0·25
536	... ...	8·5	1	10	24	30·00	146	59	31·0	1	0·31
537	... ...	8·8	4	10	25	44·68	146	54	44·3	4	0·26
538	47 Leonis ρ	4·0	...	10	25	45·20	80	0	18·0	6	0·10
539	... ...	9·1	3	10	26	34·02	152	26	23·9	3	0·28
540	p Carinæ	3·6	...	10	27	15·82	150	59	50·6	1	0·27
541	.. ..	9·6	2	10	28	9·07	150	50	32·3	2	0·29
542	... ...	10·1	1	10	29	16·79	147	15	12·9	1	0·30
543	Taylor 4769	5·5	1	10	30	26·91	146	41	52·5	1	0·17
544	... ...	9·5	1	10	34	57·27	139	17	15·6	1	0·29
545	... ...	8·0	1	10	35	7·56	140	6	17·1	2	0·28
546	Taylor 4824	7·6	5	10	36	10·77	148	58	38·4	2	0·27
547	... ...	9·0	2	10	37	34·09	151	29	57·5	2	0·30
548	Taylor 4849	7·0	3	10	38	44·25	149	24	55·1	3	0·24
549	... ...	9·0	1	10	39	33·76	148	51	40·1	1	0·27
550	η Argûs Var. 1	8·0	...	10	39	52·22	148	58	53·0	1	0·22
551	... ...	9·0	1	10	41	2·21	137	1	36·9	1	0·27
552	... ...	8·8	2	10	42	0·24	149	23	30·2	2	0·21
553	53 Leonis ι	5·3	...	10	42	12·71	78	44	49·0	4	0·20
554	... ...	9·5	1	10	42	28·85	75	5	29·1	1	0·29
555	... ...	9·0	1	10	42	41·45	141	5	1·4	1	0·30
556	Taylor 4886	6·0	1	10	42	52·76	137	2	35·3	1	0·27
557	... ...	8·2	1	10	43	57·95	137	3	26·5	1	0·30
558	... ...	7·6	3	10	45	0·18	141	45	43·2	3	0·29
559	Lacaille 4502 ... —	7·4	2	10	46	25·26	141	5	23·4	2	0·29
560	Taylor 4915	8·0	2	10	46	37·78	135	30	21·4	2	0·30

550.—η Argûs Var. 1.—Irregularly variable from 1st to 9th magnitude.

Observed with the Madras Meridian Circle in that Year.

Number.	Star.	In Right Ascension.			In Polar Distance.			Number in B. A. C.
		Annual Precession.	Secular Variation.	Proper Motion.	Annual Precession.	Secular Variation.	Proper Motion.	
		s	s	s	"	"	"	
526	...	+ 2·0269	+ 0·0122	...	+ 17·975	+ 0·123	...	...
527	...	+ 3·2243	− 0·0110	...	+ 18·034	+ 0·198	...	...
528	...	+ 2·5940	+ 0·0121	...	+ 18·036	+ 0·158	...	...
529	Taylor 4653 ...	+ 2·0175	+ 0·0129	...	+ 18·105	+ 0·119	...	...
530	44 Leonis ...	+ 3·1680	− 0·0079	− 0·007	+ 18·109	+ 0·191	+ 0·12	3561
531	...	+ 2·2205	+ 0·0152	...	+ 18·132	+ 0·131	...	...
532	...	+ 2·2204	+ 0·0160	...	+ 18·247	+ 0·126	...	...
533	...	+ 2·2186	+ 0·0160	...	+ 18·249	+ 0·126	...	...
534	...	+ 3·2074	− 0·0102	...	+ 18·302	+ 0·183	...	...
535	...	+ 2·2384	+ 0·0166	...	+ 18·327	+ 0·125	...	...
536	...	+ 2·2391	+ 0·0168	...	+ 18·339	+ 0·124	...	...
537	...	+ 2·2518	+ 0·0171	...	+ 18·383	+ 0·123	...	...
538	47 Leonis ρ ...	+ 3·1662	− 0·0080	0·000	+ 18·383	+ 0·176	+ 0·03	3609
539	...	+ 2·0565	+ 0·0154	...	+ 18·411	+ 0·111	...	...
540	p Carinæ ...	+ 2·1227	+ 0·0165	...	+ 18·435	+ 0·114	...	3619
541	...	+ 2·1373	+ 0·0169	...	+ 18·466	+ 0·114	...	...
542	...	+ 2·2497	+ 0·0181	...	+ 18·504	+ 0·110	...	...
543	Taylor 4769 ...	+ 2·2920	+ 0·0185	...	+ 18·543	+ 0·119	...	3635
544	...	+ 2·5087	+ 0·0182	...	+ 18·690	+ 0·125	...	...
545	...	+ 2·2634	+ 0·0199	...	+ 18·695	+ 0·112	...	...
546	Taylor 4824 ...	+ 2·2771	+ 0·0203	...	+ 18·729	+ 0·111	...	3673
547	...	+ 2·2055	+ 0·0205	...	+ 18·772	+ 0·105	...	...
548	Taylor 4849 ...	+ 2·2867	+ 0·0211	...	+ 18·807	+ 0·108	...	3689
549	...	+ 2·3113	+ 0·0214	...	+ 18·832	+ 0·108	...	...
550	η Argûs Var. 1	+ 2·3104	+ 0·0215	...	+ 18·841	+ 0·107	...	3695
551	...	+ 2·3874	+ 0·0186	...	+ 18·876	+ 0·120	...	...
552	...	+ 2·3179	+ 0·0223	...	+ 18·905	+ 0·105	...	...
553	53 Leonis l ...	+ 3·1606	− 0·0080	− 0·003	+ 18·911	+ 0·145	+ 0·02	3708
554	...	+ 3·1902	− 0·0104	...	+ 18·919	+ 0·147	...	...
555	...	+ 2·5241	+ 0·0205	...	+ 18·925	+ 0·114	...	...
556	Taylor 4886 ...	+ 2·3980	+ 0·0190	...	+ 18·930	+ 0·117	...	...
557	...	+ 2·6012	+ 0·0198	...	+ 18·961	+ 0·116	...	...
558	...	+ 2·5278	+ 0·0213	...	+ 18·995	+ 0·110	...	...
559	Lacaille 4582	+ 2·5506	+ 0·0215	...	+ 19·034	+ 0·109	...	...
560	Taylor 4915 ...	+ 2·6130	+ 0·0190	...	+ 19·036	+ 0·113	...	...

530.—Proper motions from "*Greenwich Catalogue* 1864."

Mean Positions of Stars for 1866 January 1st.

Number.	Star.	Magnitude.	Estimations.	Mean Right Ascension.			Mean Polar Distance.			Observations.	Fraction of Year
				h.	m.	s.	°	′	″		
561	... ...	9·5	2	10	48	4·42	129	29	51·2	2	0·26
562	... ...	8·2	1	10	48	21·28	141	45	31·0	1	0·26
563	Taylor 4945	7·0	2	10	49	0·93	144	54	20·2	2	0·28
564	Taylor 4955	7·0	1	10	50	45·59	147	20	16·5	1	0·26
565	... ...	9·2	1	10	52	0·49	143	46	7·7	1	0·29
566	59 Leonis *c*	5·1	...	10	53	48·04	83	10	48·3	2	0·16
567	... ...	8·9	3	10	53	52·68	135	32	26·9	3	0·31
568	50 Ursæ Majoris α (*Dubhe*)	2·0	...	10	55	26·08	27	31	33·9	1	0·31
569	... ...	8·7	2	10	55	42·83	149	17	24·4	2	0·29
570	... ...	9·0	1	10	57	4·66	145	33	5·9	1	0·28
571	... ...	9·3	1	10	57	6·95	145	36	20·4	1	0·29
572	Lacaille 4576	7·8	2	10	57	54·33	129	55	10·6	2	0·35
573	63 Leonis χ	5·2	...	10	58	6·22	81	56	27·0	8	0·22
574	... ...	8·7	3	10	58	17·28	140	59	52·4	3	0·33
575	Lacaille 4595	8·4	3	10	59	27·08	148	59	28·6	3	0·27
576	... ...	8·3	1	11	1	6·68	135	34	12·4	1	0·34
577	67 Leonis	5·6	...	11	1	37·21	64	37	5·6	1	0·30
578	Lalande 21371	7·8	1	11	3	36·68	77	58	18·0	1	0·32
579	Lalande 21416	8·2	1	11	5	5·02	67	13	1·8	1	0·17
580	... ...	10·3	1	11	5	47·33	83	51	4·8	1	0·29
581	... ...	8·4	1	11	5	54·51	148	59	22·6	1	0·19
582	68 Leonis δ	2·8	...	11	6	58·60	68	44	35·4	7	0·20
583	... ...	7·5	2	11	7	12·36	145	50	55·2	2	0·30
584	... ...	9·0	..	11	8	38·65	150	51	29·0	1	0·29
585	... ...	9·3	1	11	9	33·98	145	55	53·7	1	0·32
586	74 Leonis φ	4·5	...	11	9	50·98	92	55	13·1	1	0·24
587	... ...	8·0	1	11	11	13·76	127	38	57·6	1	0·34
588	δ Crateris	3·9	...	11	12	38·57	104	3	13·8	11	0·26
589	... ...	8·0	2	11	12	54·22	120	32	45·5	2	0·33
590	... ...	7·8	3	11	15	55·57	128	22	15·7	3	0·25
591	Lacaille 4726	7·0	1	11	16	10·78	145	52	10·0	1	0·31
592	Taylor 5290	7·8	1	11	19	6·10	131	56	10·5	1	0·17
593	... ...	7·8	1	11	19	30·67	129	31	38·2	1	0·32
594	84 Leonis τ	5·1	...	11	21	2·83	86	24	22·8	1	0·09
595	... ...	9·8	1	11	21	48·06	128	23	27·1	1	0·22

577.—Comparison star for Thalia in 1862.

Observed with the Madras Meridian Circle in that Year.

Number.	Star.	In Right Ascension. Annual Precession.	In Right Ascension. Secular Variation.	In Right Ascension. Proper Motion.	In Polar Distance. Annual Precession.	In Polar Distance. Secular Variation.	In Polar Distance. Proper Motion.	Number in B.A.C.
		s	s	s	″	″	″	
561	... ...	+ 2·7320	+ 0·0164	...	+ 19·075	+ 0·115	...	...
562	... ...	+ 2·5501	+ 0·0222	...	+ 19·084	+ 0·106	...	...
563	Taylor 4945	+ 2·4921	+ 0·0236	...	+ 19·101	+ 0·103	...	...
564	Taylor 4955	+ 2·4515	+ 0·0250	...	+ 19·147	+ 0·097	...	...
565	... ...	+ 2·5387	+ 0·0230	...	+ 19·179	+ 0·100	...	...
566	59 Leonis c	+ 3·1177	− 0·0052	− 0·005	+ 19·224	+ 0·122	+ 0·06	3769
567	... ...	+ 2·6845	+ 0·0204	...	+ 19·226	+ 0·103	...	...
568	50 Urs. Maj. α (*Dubhe*)	+ 3·7853	− 0·0821	− 0·017	+ 19·264	+ 0·144	+ 0·09	3777
569	... ...	+ 2·4490	+ 0·0274	...	+ 19·271	+ 0·091	...	...
570	... ...	+ 2·5437	+ 0·0262	...	+ 19·304	+ 0·093	...	...
571	... ...	+ 2·5429	+ 0·0263	...	+ 19·305	+ 0·092	...	...
572	Lacaille 4576 ...	+ 2·7762	+ 0·0179	...	+ 19·323	+ 0·100	...	...
573	63 Leonis χ	+ 3·1225	− 0·0056	− 0·024	+ 19·328	+ 0·113	+ 0·08	3788
574	... ...	+ 2·6329	+ 0·0242	...	+ 19·332	+ 0·094	...	...
575	Lacaille 4595 ...	+ 2·4913	+ 0·0287	...	+ 19·359	+ 0·087	...	...
576	... ...	+ 2·7256	+ 0·0216	...	+ 19·396	+ 0·093	...	...
577	67 Leonis	+ 3·2320	− 0·0164	+ 0·003	+ 19·408	+ 0·111	+ 0·01	3809
578	Lalande 21371 ...	+ 3·1415	− 0·0076	...	+ 19·451	+ 0·105	...	...
579	Lalande 21416 ...	+ 3·2054	− 0·0144	...	+ 19·482	+ 0·108	...	...
580	... ...	+ 3·1059	− 0·0043	...	+ 19·496	+ 0·098	...	...
581	... ...	+ 2·5520	+ 0·0311	...	+ 19·499	+ 0·079	...	...
582	68 Leonis δ	+ 3·1913	− 0·0182	+ 0·011	+ 19·521	+ 0·098	+ 0·14	3834
583	... ...	+ 2·6249	+ 0·0294	...	+ 19·525	+ 0·079	...	...
584	... ...	+ 2·5396	+ 0·0441	...	+ 19·553	+ 0·074	...	...
585	... ...	+ 2·6406	+ 0·0304	...	+ 19·571	+ 0·076	...	...
586	74 Leonis φ	+ 3·0573	+ 0·0006	− 0·009	+ 19·577	+ 0·089	+ 0·04	3848
587	... ...	+ 2·8543	+ 0·0186	...	+ 19·603	+ 0·080	...	...
588	δ Crateris	+ 3·0033	+ 0·0064	− 0·009	+ 19·629	+ 0·081	− 0·18	3850
589	... ...	+ 2·8465	+ 0·0200	...	+ 19·633	+ 0·077	...	...
590	... ...	+ 2·8698	+ 0·0197	...	+ 19·685	+ 0·072	...	...
591	Lacaille 4726 ...	+ 2·6972	+ 0·0324	...	+ 19·690	+ 0·067	...	...
592	Taylor 5220	+ 2·8580	+ 0·0225	...	+ 19·737	+ 0·066	...	...
593	... ...	+ 2·8782	+ 0·0209	...	+ 19·743	+ 0·065	...	...
594	84 Leonis τ	+ 3·0863	− 0·0030	− 0·001	+ 19·766	+ 0·072	+ 0·02	3900
595	... ...	+ 2·8963	+ 0·0205	...	+ 19·777	+ 0·061	...	...

577.—Proper motions from "*Greenwich Catalogue 1872.*"

Mean Positions of Stars for 1866 January 1st.

Number.	Star.	Magnitude.	Estimations.	Mean Right Ascension.			Mean Polar Distance.			Observations.	Fraction of Year.
				h.	m.	s.	°	′	″		
596	Taylor 5245 ... 2nd ..	8·4	2	11	22	8·39	131	56	20·8	2	0·30
597	... ...	8·0	1	11	22	29·33	129	4	56·5	1	0·20
598	... ...	8·9	1	11	22	53·83	145	54	23·2	1	0·32
599	... ...	9·6	1	11	23	29·47	23	21	52·2	1	0·33
600	... ...	9·0	1	11	24	40·03	146	9	38·0	1	0·29
601	... ...	9·3	1	11	24	46·91	84	43	3·4	1	0·18
602	... ...	9·4	1	11	25	53·40	128	25	25·6	1	0·32
603	... ...	8·8	1	11	26	20·89	143	51	55·8	1	0·35
604	... ...	9·3	2	11	28	25·70	128	20	47·6	2	0·32
605	λ Centauri...	3·4	...	11	29	37·14	152	16	42·5	3	0·24
606	... ...	7·9	1	11	29	56·62	149	16	22·7	1	0·27
607	91 Leonis *υ*	4·5	...	11	30	5·28	90	5	4·7	10	0·25
608	... ...	9·3	1	11	32	14·96	144	15	11·4	1	0·35
609	... ...	8·2	1	11	33	13·21	144	15	15·7	1	0·36
610	W. B. E. XI. 571 ...	8·0	3	11	33	31·88	88	18	21·8	3	0·17
611	... ...	8·0	1	11	34	3·32	127	49	56·4	1	0·32
612	... ...	8·6	1	11	34	26·14	144	21	21·9	1	0·34
613	... ...	9·2	2	11	36	5·93	139	40	56·7	2	0·29
614	Taylor 5384	6·0	1	11	37	8·55	151	44	44·0	1	0·31
615	... ...	8·9	1	11	38	48·00	129	34	43·1	1	0·32
616	... ...	9·5	1	11	41	2·81	149	52	44·0	1	0·21
617	... ...	9·2	1	11	41	14·88	126	31	5·5	1	0·17
618	94 Leonis *β* (*Deneb*) ...	2·2	...	11	42	13·32	74	40	46·7	7	0·27
619	Taylor 5421	7·7	3	11	43	16·04	129	31	54·0	3	0·29
620	5 Virginis *β*	3·7	...	11	43	42·08	87	28	52·6	1	0·16
621	Taylor 5427	5·7	...	11	44	11·33	94	35	20·9	1	0·09
622	Taylor 5433	8·2	1	11	44	57·38	129	33	41·7	1	0·23
623	Groombridge 1830 ...	7·5	3	11	45	14·79	51	19	16·7	3	0·30
624	64 Ursæ Majoris *γ* ...	2·6	...	11	46	46·81	35	33	37·7	1	0·28
625	Lacaille 4937	7·2	3	11	48	21·36	152	32	2·1	3	0·29
626	Lacaille 4946	8·1	3	11	50	15·81	152	30	13·1	5	0·34
627	... ...	7·9	2	11	50	43·14	150	22	38·6	2	0·27
628	Lacaille 4956	8·1	1	11	51	15·99	154	34	38·0	1	0·27
629	... ...	9·7	2	11	52	45·41	154	38	58·5	2	0·32
630	Taylor 5534 .	7·5	...	11	56	55·62	143	58	1·5	1	[illegible]

599.—Comparison star for Comet 2, 1861.
601.—Observed in mistake for Amphitrite in 1860.
610.—Comparison star for Amphitrite in 1862.

Observed with the Madras Meridian Circle in that Year.

Number.	Star.	In Right Ascension.			In Polar Distance.			Number in B. A. C.
		Annual Precession.	Secular Variation.	Proper Motion.	Annual Precession.	Secular Variation.	Proper Motion.	
		s	s	s	"	"	"	
596	Taylor 5245 2nd ..	+ 2·8746	+ 0·0230	...	+ 19·782	+ 0·060	...	...
597	.. ..	+ 2·8939	+ 0·0209	..	+ 19·783	+ 0·060	...	...
598	... . .	+ 2·7537	+ 0·0344	...	+ 19·792	+ 0·056	..	...
599	.. ..	+ 3·5630	− 0·0905	...	+ 19·801	+ 0·074	...	...
600	... .	+ 2·7680	+ 0·0352	...	+ 19·818	+ 0·053	...	...
601	... ...	+ 3·0910	− 0·0028	...	+ 19·818	+ 0·060	...	..
602	... .	+ 2·9150	+ 0·0211	...	+ 19·834	+ 0·054	...	..
603	. .. ..	+ 2·8041	+ 0·0335	...	+ 19·840	+ 0·051	...	...
604	... ...	+ 2·9269	+ 0·0214	...	+ 19·865	+ 0·050	...	...
605	λ Centauri	+ 2·7358	+ 0·0443	0·000	+ 19·878	+ 0·044	0·00	3941
606	.. ..	+ 2·7780	+ 0·0406	...	+ 19·882	+ 0·044	...	...
607	91 Leonis υ	+ 3·0718	+ 0·0003	− 0·003	+ 19·885	+ 0·049	− 0·03	3946
608	... .. .	+ 2·8478	+ 0·0356	...	+ 19·908	+ 0·041	...	...
609	.. ..	+ 2·8555	+ 0·0360	...	+ 19·918	+ 0·039	...	...
610	W. B. E. XI. 571 ..	+ 3·0767	− 0·0005	...	+ 19·922	+ 0·043	...	...
611	... .	+ 2·9548	+ 0·0219	...	+ 19·926	+ 0·040	...	...
612	.. . ..	+ 2·8645	+ 0·0364	...	+ 19·930	+ 0·037	...	...
613	... .	+ 2·9084	+ 0·0320	...	+ 19·946	+ 0·035	...	...
614	Taylor 5384	+ 2·8244	+ 0·0470	...	+ 19·955	+ 0·032	...	3976
615	... ...	+ 2·9700	+ 0·0237	...	+ 19·969	+ 0·031	...	...
616	... .	+ 2·8818	+ 0·0458	...	+ 19·980	+ 0·026	...	...
617	... ...	+ 2·9912	+ 0·0218	...	+ 19·988	+ 0·027	...	...
618	94 Leonis β (*Deneb*)..	+ 3·1005	− 0·0074	− 0·036	+ 19·995	+ 0·025	+ 0·10	3995
619	Taylor 5421	+ 2·9917	+ 0·0242	...	+ 20·001	+ 0·023	...	...
620	5 Virginis β	+ 3·0763	− 0·0003	+ 0·048	+ 20·004	+ 0·023	+ 0·28	4002
621	Taylor 5427	+ 3·0647	+ 0·0034	...	+ 20·007.	+ 0·022	...	4006
622	Taylor 5433	+ 2·9997	+ 0·0246	...	+ 20·012	+ 0·020	...	...
623	Groombridge 1830 ..	+ 3·1411	− 0·0230	+ 0·346	+ 20·013	+ 0·021	+ 5·78	4010
624	64 Ursæ Majoris γ ..	+ 3·1799	− 0·0433	+ 0·011	+ 20·022	+ 0·017	0·00	4017
625	Lacaille 4937 ...	+ 2·9414	+ 0·0538	...	+ 20·029	+ 0·013	...	...
626	Lacaille 4946 .	+ 2·9630	+ 0·0546	...	+ 20·037	+ 0·009	...	...
627	. ... ..	+ 2·9769	+ 0·0506	...	+ 20·038	+ 0·009	...	...
628	Lacaille 4956 ..	+ 2·9649	+ 0·0598	...	+ 20·040	+ 0·008	...	.
629	.. ..	+ 2·9829	+ 0·0609	...	+ 20·045	+ 0·005	..	...
630	Taylor 5534	+ 3·0475	+ 0·0421	...	+ 20·053	− 0·003	...	...

605.—Proper motions from "*Stone's Cape Catalogue.*"
623.—Proper motions from "*Greenwich Catalogue* 1872."

Mean Positions of Stars for 1866 January 1st.

Number.	Star.	Magnitude.	Estimations.	Mean Right Ascension.			Mean Polar Distance.			Observations.	Fraction of Year.
				h.	m.	s.	°	′	″		
631	R. P. L. 89	6·3	...	11	57	57·66	3	40	16·0	4	0·33
632	... ...	8·0	1	11	59	7·57	128	28	23·7	1	0·28
633	... ...	9·3	3	11	59	37·59	150	20	15·9	3	0·30
634	... ...	8·0	1	11	59	50·64	144	16	51·8	2	0·35
635	... ...	8·2	1	12	1	13·94	150	22	9·4	1	0·27
636	... ...	9·4	1	12	1	43·43	130	2	16·6	1	0·36
637	Lacaille 5041	7·9	1	12	2	39·11	141	23	54·2	1	0·36
638	10 Virginis	6·1	...	12	2	49·32	87	21	0·6	2	0·17
639	2 Corvi ε	3·1	...	12	3	14·22	111	52	26·8	11	0·29
640	... ...	8·8	1	12	3	44·96	145	57	45·7	1	0·23
641	... ...	8·0	1	12	5	54·49	134	8	46·2	1	0·35
642	... ...	8·0	1	12	6	18·80	138	28	12·5	1	0·26
643	... .	9·2	1	12	6	35·48	142	51	20·6	1	0·37
644	... ...	8·7	2	12	11	58·24	150	23	30·9	2	0·35
645	Taylor 5618	6·9	1	12	12	37·69	152	6	33·5	1	0·33
646	R. P. L. 92	6·7	...	12	12	55·34	2	40	8·6	1	0·31
647	15 Virginis η	4·1	...	12	13	2·09	89	55	19·9	7	0·27
648	... ...	9·2	3	12	14	10·26	143	45	29·2	3	0·37
649	Lacaille 5119	8·9	1	12	15	27·96	138	34	57·2	1	0·23
650	.. ..	8·0	2	12	15	58·57	141	40	35·2	2	0·27
651	... ...	8·3	1	12	16	52·76	147	10	25·2	1	0·35
652	α Crucis . ... 1st ..	1·5	...	12	19	10·25	152	21	23·2	2	0·31
653	... .	8·8	1	12	19	23·96	144	4	50·0	1	0·39
654	... ...	8·9	2	12	24	45·44	150	59	17·4	2	0·31
655	9 Corvi β	2·8	...	12	27	21·15	112	39	19·8	8	0·33
656	. ...	8·4	1	12	27	55·79	141	40	33·6	1	0·35
657	25 Virginis ƒ	5·9	..	12	29	53·47	105	5	34·3	1	0·32
658	... ...	8·8	1	12	30	57·38	142	20	19·5	1	0·34
659	R Virginis Var. 2 ..	7·5	1	12	31	42·04	82	16	28·5	1	0·35
660	Taylor 5830	7·0	1	12	34	33·57	144	1	33·3	1	0·37
661	29 Virginis γ ... 1st ..	3·5	.	12	34	52·26	90	42	49·3	4	0·28
662	S Ursæ Majoris Var. 2. ..	9·7	1	12	38	3·87	28	10	21·3	1	0·40
663	Taylor 5863	7·5	4	12	38	28·48	143	52	42·8	4	0·35
664	... .	9·0	1	12	39	32·57	143	50	58·3	1	0·[illegible]
665	... .	8·8	2	12	42	31·32	147	19	23·2	2	0·39

631.—Groombridge 1850.
646.—Groombridge 1871.
659.—R Virginis Var. 2.—Period 146 days.—Range, 6·5 to 11th magnitude.
662.—S Ursæ Majoris Var. 2.—Period 225 days.—Range, 7th to 12th magnitude.

Observed with the Madras Meridian Circle in that Year.

Number.	Star.	In Right Ascension.			In Polar Distance.			Number in B.A.C.
		Annual Precession.	Secular Variation.	Proper Motion.	Annual Precession.	Secular Variation.	Proper Motion.	
		s	s	s	"	"	"	
631	R. P. L. 89 ..	+ 3·2571	− 0·3199	...	+ 20·054	− 0·005	..	4070
632	... .	+ 3·0681	+ 0·0255	...	+ 20·055	− 0·007	..	...
633	...	+ 3·0683	+ 0·0542	.	+ 20·055	− 0·008	...	...
634	.. .. ..	+ 3·0708	+ 0·0434	...	+ 20·055	− 0·009	...	...
635	... .	+ 3·0847	+ 0·0549	.	+ 20·054	− 0·011	..	...
636	... .	+ 3·0806	+ 0·0273	...	+ 20·054	− 0·012	...	...
637	Lacaille 5041 ..	+ 3·0915	+ 0·0400	...	+ 20·054	− 0·014	...	...
638	10 Virginis ...	+ 3·0714	+ 0·0007	− 0·001	+ 20·054	− 0·013	+ 0·21	4094
639	2 Corvi ε	+ 3·0796	+ 0·0142	− 0·005	+ 20·053	− 0·016	− 0·01	4097
640	... .	+ 3·1044	+ 0·0473	...	+ 20·052	− 0·016	...	...
641	... ...	+ 3·1055	+ 0·0318	...	+ 20·048	− 0·021	..	...
642	... .. .	+ 3·1137	+ 0·0309	...	+ 20·047	− 0·022	...	...
643	... ..	+ 3·1228	+ 0·0430	...	+ 20·047	− 0·022	...	...
644	... .	+ 3·1950	+ 0·0592	...	+ 20·028	− 0·033	...	...
645	Taylor 5648 ..	+ 3·2112	+ 0·0640	...	+ 20·024	− 0·035	...	...
646	R. P. L. 92	+ 1·5398	+ 0·0019	+ 0·415	+ 20·023	− 0·022	+ 0·08	4150
647	15 Virginis η ...	+ 3·0720	+ 0·0027	− 0·007	+ 20·022	− 0·035	+ 0·03	4145
648	... .	+ 3·1847	+ 0·0461	..	+ 20·017	− 0·038	...	...
649	Lacaille 5119 ...	+ 3·1743	+ 0·0388	...	+ 20·009	− 0·040	...	...
650	... ...	+ 3·1899	+ 0·0435	...	+ 20·006	− 0·042	...	...
651	... .	+ 3·2245	+ 0·0535	..	+ 20·000	− 0·044	...	...
652	α Crucis .. 1st..	+ 3·2851	+ 0·0680	− 0·006	+ 19·986	− 0·050	+ 0·04	4187
653	. .	+ 3·2281	+ 0·0482	...	+ 19·983	− 0·049	...	...
654	... ..	+ 3·3321	+ 0·0658	..	+ 19·938	− 0·061	...	...
655	9 Corvi β ..	+ 3·1384	+ 0·0164	− 0·008	+ 19·913	− 0·064	+ 0·07	4234
656	.. ..	+ 3·2778	+ 0·0459	.	+ 19·906	− 0·067	...	...
657	25 Virginis *f*... ..	+ 3·0875	+ 0·0063	− 0·004	+ 19·885	− 0·068	+ 0·03	4247
658	... .	+ 3·3053	+ 0·0476	...	+ 19·872	− 0·074	...	...
659	R Virginis, Var. 2 ..	+ 3·0471	− 0·0008	...	+ 19·863	− 0·070	...	...
660	Taylor 5830	+ 3·3488	+ 0·0518	...	+ 19·827	− 0·082	...	4266
661	29 Virginis γ 1st..	+ 3·0745	+ 0·0043	− 0·037	+ 19·824	− 0·078	+ 0·05	4268
662	S Ursæ Majoris, Var. 2	+ 2·6594	− 0·0360	...	+ 19·779	− 0·073	.	..
663	Taylor 5863	+ 3·3783	+ 0·0521	...	+ 19·773	− 0·091	...	4283
664	... .	+ 3·3863	+ 0·0525	...	+ 19·757	− 0·093	...	.
665	... .	+ 3·4566	+ 0·0613	..	+ 19·711	− 0·101	...	...

646.—Proper motion in Polar distance from "*British Association Catalogue.*"
652.—Proper motions from "*Stone's Cape Catalogue.*"
661.—Proper motions from "*Greenwich Catalogue 1872.*"

Mean Positions of Stars for 1866 January 1st.

Number.	Star.	Magnitude.	Estimations.	Mean Right Ascension.			Mean Polar Distance.			Observations.	Fraction of Year.
				h.	m.	s.	°	′	″		
666	... ...	8·0	2	12	44	50·52	141	56	17·3	2	0·37
667	R. P. L. 99	5·6	...	12	48	10·52	5	51	32·5	2	0·27
668	... ...	9·0	1	12	48	35·11	125	25	59·5	1	0·36
669	... ...	9·0	1	12	48	59·92	140	24	55·6	1	0·39
670	12 Canis Venaticorum ...	3·1	...	12	49	45·33	50	57	27·1	1	0·31
671	Taylor 5974	8·0	1	12	52	1·59	143	39	10·6	1	0·35
672	... ...	8·8	3	12	55	9·64	124	23	41·6	3	0·37
673	48 Virginis	6·6	...	12	57	0·27	92	56	31·3	2	0·24
674	... ...	9·3	1	12	57	5·07	123	25	50·9	1	0·39
675	Lacaille 5381	7·9	1	12	57	14·68	129	57	43·1	1	0·27
676	.. ..	9·5	1	12	58	12·73	124	29	21·4	1	0·40
677	... ...	7·5	2	12	58	22·42	124	23	34·8	2	0·36
678	Taylor 6025	7·7	3	12	59	34·21	123	24	2·5	3	0·35
679	51 Virginis θ	4·4	...	13	3	0·78	94	49	21·0	6	0·33
680	W Virginis Var. 1 ...	8·2	2	13	7	0·58	105	50	33·6	2	0·34
681	R. P. L. 101	7·5	...	13	10	4·05	1	37	56·7	3	0·84
682	... ...	8·3	1	13	12	59·66	122	57	12·3	1	0·37
683	Taylor 6148	7·4	3	13	14	18·54	128	8	57·5	3	0·37
684	O. A. N. 13563	9·1	1	13	15	28·84	27	53	51·8	1	0·40
685	... ...	9·6	2	13	17	13·78	128	10	4·2	2	0·34
686	67 Virginis α (*Spica*) ...	1·2	...	13	18	8·14	100	27	40·2	5	0·29
687	Lacaille 5546	9·2	1	13	19	48·77	143	28	6·4	1	0·40
688	R. P. L. 103	7·3	...	13	20	11·27	4	32	45·7	1	0·30
689	... ...	10·7	1	13	23	24·21	8	38	53·4	1	0·40
690	... ...	9·0	2	13	24	54·28	128	9	18·0	2	0·34
691	... ...	9·0	1	13	24	56·41	124	9	43·0	1	0·44
692	76 Virginis λ	5·5	...	13	25	54·77	99	28	25·0	3	0·29
693	S Virginis Var. 6 .. .	7·5	3	13	26	0·12	96	30	20·7	3	0·38
694	79 Virginis ζ ...	3·5	..	13	27	52·01	89	54	35·6	4	0·38
695	Taylor 7183	7·0	2	13	28	20·53	131	43	46·0	2	0·31
696	... ...	7·7	1	13	33	5·21	129	2	11·1	1	0·43
697	... ...	9·5	1	13	34	10·06	129	10	33·4	1	0·40
698	82 Virginis m .	5·3	.	13	34	34·04	98	1	33·5	1	0·24
699	.. ..	8·2	1	13	35	49·90	128	4	4·0	1	0·33
700	... ...	9·2	1	13	36	21·54	128	5	57·1	1	0·33

667.—Groombridge 1940.
680.—W Virginis Var. 1.—Irregularly variable from 7th to 10·5 magnitude.
681.—Groombridge 2006.
688.—Groombridge 2007.
689.—Observed in mistake for Europa in 1864.
693.—S Virginis Var. 6.—Period 374 days.—Range, 6th to 12·5 magnitude.

Observed with the Madras Meridian Circle in that Year.

Number.	Star.	In Right Ascension.			In Polar Distance.			Number in B. A. C.
		Annual Precession.	Secular Variation.	Proper Motion.	Annual Precession.	Secular Variation.	Proper Motion.	
		s	s	s	"	"	"	
666	... ...	+ 3·4040	+ 0·0498	...	+ 19·672	+ 0·104	...	...
667	R. P. L. 99	+ 0·3533	+ 0·2250	− 0·017	+ 19·613	− 0·019	− 0·04	4342
668	... .	+ 3·2723	+ 0·0279	...	+ 19·606	− 0·108	...	...
669	... ...	+ 3·5521	+ 0·0692	...	+ 19·598	− 0·118	...	...
670	12 Canis Venaticorum	+ 2·8385	− 0·0152	− 0·023	+ 19·585	− 0·098	− 0·06	4346
671	Taylor 5974	+ 3·4810	+ 0·0546	...	+ 19·540	− 0·122	...	...
672	... ...	+ 3·2903	+ 0·0275	...	+ 19·477	− 0·122	...	...
673	48 Virginis	+ 3·0890	+ 0·0065	− 0·004	+ 19·438	− 0·119	+ 0·03	4373
674	... ...	+ 3·2897	+ 0·0268	...	+ 19·436	− 0·126	...	...
675	Lacaille 5381 ...	+ 3·3491	+ 0·0335	...	+ 19·433	− 0·128	...	...
676	... ...	+ 3·3029	+ 0·0278	...	+ 19·411	− 0·129	...	...
677	... .	+ 3·3027	+ 0·0278	...	+ 19·408	− 0·129	...	...
678	Taylor 6025	+ 3·2987	+ 0·0269	...	+ 19·382	− 0·132	...	...
679	51 Virginis θ	+ 3·1027	+ 0·0078	− 0·004	+ 19·302	− 0·132	+ 0·04	4401
680	W Virginis Var. 1 ...	+ 3·1814	+ 0·0142	...	+ 19·204	− 0·142	...	...
681	R. P. L. 101 ...	+ 11·0484	+ 8·2000	...	+ 19·125	+ 0·477	...	...
682	... ...	+ 3·3135	+ 0·0273	...	+ 19·046	− 0·161	...	...
683	Taylor 6148	+ 3·4066	+ 0·0328	...	+ 19·010	− 0·166	...	...
684	O. A. N. 13563 ...	+ 2·2555	− 0·0189	...	+ 18·978	− 0·114	...	...
685	... .	+ 3·4196	+ 0·0331	...	+ 18·927	− 0·173	...	...
686	67 Virginis α (*Spica*).	+ 3·1546	+ 0·0116	− 0·005	+ 18·901	− 0·163	+ 0·04	4450
687	Lacaille 5546 ...	+ 3·6880	+ 0·0589	...	+ 18·851	− 0·192	...	...
688	R. P. L. 103 ...	+ 2·6921	+ 0·9802	...	+ 18·840	+ 0·127	...	4408
689	... ...	+ 3·0609	+ 0·0055	...	+ 18·740	− 0·267	...	...
690	... ...	+ 3·4524	+ 0·0334	...	+ 18·694	− 0·190	...	...
691	... ...	+ 3·4008	+ 0·0291	...	+ 18·693	− 0·188	...	...
692	76 Virginis λ ...	+ 3·1538	+ 0·0113	− 0·004	+ 18·662	− 0·176	+ 0·02	4521
693	S Virginis Var. 6 ...	+ 3·1250	+ 0·0096	...	+ 18·659	− 0·175	...	...
694	79 Virginis ζ ..	+ 3·0712	+ 0·0064	− 0·019	+ 18·600	− 0·176	− 0·06	4532
695	Taylor 7153	+ 3·5213	+ 0·0381	...	+ 18·578	− 0·201	...	...
696	... ...	+ 3·5004	+ 0·0349	...	+ 18·423	− 0·210	...	...
697	... ...	+ 3·5073	+ 0·0351	...	+ 18·386	− 0·212	...	...
698	82 Virginis m ..	+ 3·1477	+ 0·0108	− 0·010	+ 18·371	− 0·192	0·00	4565
699	... .	+ 3·4073	+ 0·0338	...	+ 18·327	− 0·215	...	...
700	... .	+ 3·5000	+ 0·0330	...	+ 18·308	− 0·216	...	...

Mean Positions of Stars for 1866 January 1st.

Number.	Star.	Magnitude.	Estimations.	Mean Right Ascension.			Mean Polar Distance.			Observations.	Fraction of Year.
				h.	m.	s.	°	′	″		
701	Taylor 6366	7·5	1	13	37	1·26	151	46	42·2	1	0·43
702	... ...	7·8	1	13	37	38·07	128	20	54·2	1	0·30
703	... ...	8·6	1	13	43	21·36	123	7	7·8	1	0·44
704	... ...	8·4	2	13	43	31·09	123	13	40·5	2	0·43
705	... ...	8·3	1	13	44	22·04	127	57	20·9	1	0·30
706	8 Bootis η	2·9	...	13	48	18·25	70	55	45·6	5	0·35
707	... ...	8·8	1	13	52	22·74	151	31	14·6	1	0·44
708	β Centauri...	1·2	...	13	54	23·95	149	43	29·9	2	0·35
709	93 Virginis τ	4·4	..	13	54	49·67	87	48	21·5	11	0·37
710	Lacaille 5794	6·9	1	13	57	13·97	152	48	8·2	1	0·43
711	94 Virginis	6·5	...	13	59	12·18	98	15	3·1	1	0·40
712	Taylor 6570	8·4	1	14	0	9·90	149	56	38·8	1	0·43
713	R. P. L. 108	7·3	...	14	3	39·57	3	36	3·2	1	0·93
714	Taylor 6616	5·6	...	14	5	38·86	116	27	24·1	1	0·44
715	98 Virginis κ	4·3	...	14	5	45·07	99	38	54·5	2	0·36
716	16 Bootis α (*Arcturus*) ...	0·0	...	14	9	33·04	70	7	8·6	11	0·38
717	... ...	8·1	2	14	14	35·46	150	46	39·0	2	0·43
718	Taylor 6721	7·0	1	14	17	29·09	101	3	32·4	1	0·43
719	Taylor 6740	8·0	1	14	19	12·77	133	43	29·0	1	0·37
720	... ...	8·5	1	14	20	4·88	127	9	26·0	1	0·37
721	25 Bootis ρ	3·6	...	14	26	3·18	59	2	22·4	5	0·39
722	α Centauri ... 1st...	1·0	...	14	30	31·24	150	16	55·3	3	0·41
723	36 Bootis ε (*Mirac.*) ..	2·6	...	14	39	7·99	62	21	35·7	4	0·42
724	9 Libræ α²	3·0	...	14	43	28·09	105	28	39·2	4	0·38
725	O. A. S. 14112	7·9	2	14	50	59·89	109	11	13·3	3	0·43
726	... .	9·0	1	14	51	26·94	39	20	10·0	1	0·43
727	O. A. N. 15004	7·8	1	14	53	50·56	39	21	32·9	1	0·43
728	Taylor 7017	7·0	1	14	57	14·77	150	36	26·0	1	0·44
729	43 Bootis ψ	4·5	...	14	58	42·22	62	31	43·5	5	0·44
730	21 Libræ ν¹	5·4	...	14	59	9·15	105	41	6·8	1	0·33
731	R. P. L. 111.	6·9	..	15	5	29·87	5	31	53·9	1	0·39
732	27 Libræ β	2·7	..	15	9	47·[illegible]	98	53	11·3	8	0·45
733	... ...	9·0	1	15	14	19·77	123	7	55·6	1	0·54
734	S Serpentis Var. 3. ..	10·2	1	15	15	23·30	75	12	12·9	1	0·38
735	S Coronæ Borealis Var 2..	9·5	1	15	15	56·32	58	8	58·5	1	0·49

713.—Groombridge 2099.
722.—The 1st and brightest star.
725.—Comparison star for Isis in 1861.
726.—727.—Comparison stars for Comet 2, of 1861.
731.—Groombridge 2213.
734.—S Serpentis Var. 3—Period 361 days.—Range, 8th to 12·5 magnitude.
735.—S Coronæ Borealis Var. 2.—Period 361 days.—Range, 6th to 12th magnit[illegible]

Observed with the Madras Meridian Circle in that Year.

Number.	Star.	In Right Ascension. Annual Precession.	In Right Ascension. Secular Variation.	In Right Ascension. Proper Motion.	In Polar Distance. Annual Precession.	In Polar Distance. Secular Variation.	In Polar Distance. Proper Motion.	Number in B. A. C.
		s	s	s	"	"	"	
701	Taylor 6366	+ 4·0951	+ 0·0909	...	+ 18·284	− 0·253	...	...
702	... .	+ 3·5145	+ 0·0346	...	+ 18·263	− 0·220	...	...
703	... .	+ 3·4523	+ 0·0287	...	+ 18·050	− 0·227	...	...
704	... ...	+ 3·4544	+ 0·0288	...	+ 18·044	− 0·228	...	...
705	... ...	+ 3·5308	+ 0·0341	...	+ 18·011	− 0·235	...	...
706	8 Bootis η	+ 2·8617	− 0·0006	− 0·004	+ 17·857	− 0·199	+ 0·36	4648
707	... ...	+ 4·2327	+ 0·0920	...	+ 17·692	− 0·299	...	...
708	β Centauri	+ 4·1683	+ 0·0841	− 0·010	+ 17·608	− 0·301	+ 0·05	4660
709	93 Virginis τ ...	+ 3·0176	+ 0·0064	+ 0·001	+ 17·589	− 0·221	+ 0·07	4672
710	Lacaille 5794 ...	+ 4·3457	+ 0·0996	...	+ 17·488	− 0·318	...	...
711	94 Virginis	+ 3·1685	+ 0·0115	− 0·002	+ 17·403	− 0·237	+ 0·01	4688
712	Taylor 6570	+ 4·2288	+ 0·0853	...	+ 17·361	− 0·315	...	...
713	R. P. L. 108 ...	+ 7·8148	+ 2·4989	...	+ 17·204	+ 0·581	...	...
714	Taylor 6616	+ 4·1231	+ 0·0686	...	+ 17·116	− 0·320	...	4709
715	98 Virginis κ ...	+ 3·1907	+ 0·0122	+ 0·001	+ 17·111	− 0·250	− 0·02	4716
716	16 Bootis α (*Arcturus*)	+ 2·8132	+ 0·0004	− 0·079	+ 16·936	− 0·227	+ 1·93	4729
717	... ...	+ 4·3964	+ 0·0900	...	+ 16·695	− 0·362	...	...
718	Taylor 6721	+ 3·2196	+ 0·0132	...	+ 16·553	− 0·272	...	4772
719	Taylor 6740	+ 3·8020	+ 0·0123	...	+ 16·467	− 0·323	...	...
720	... .	+ 3·6336	+ 0·0334	...	+ 16·424	− 0·313	...	...
721	25 Bootis ρ	+ 2·5947	− 0·0015	− 0·008	+ 16·119	− 0·233	− 0·14	4808
722	α Centauri, 1st ...	+ 4·5013	+ 0·0878	− 0·476	+ 15·886	− 0·410	− 0·81	4832
723	36 Bootis ε (*Mirac*)...	+ 2·6240	− 0·0001	− 0·005	+ 15·412	− 0·252	− 0·01	4876
724	9 Libræ α²	+ 3·3143	+ 0·0154	− 0·007	+ 15·166	− 0·324	+ 0·06	4895
725	O. A. S. 14112 ...	+ 3·3879	+ 0·0175	...	+ 14·727	− 0·341	...	...
726	... ...	+ 1·9623	+ 0·0014	...	+ 14·700	− 0·201	...	...
727	O. A. N. 15004 ...	+ 1·9503	+ 0·0017	...	+ 14·550	− 0·202	...	...
728	Taylor 7017	+ 4·7301	+ 0·0866	...	+ 14·350	− 0·488	..	...
729	43 Bootis ψ	+ 2·5833	+ 0·0010	− 0·013	+ 14·258	− 0·231	0·00	4769
730	21 Libræ ν¹	+ 3·3375	+ 0·0153	− 0·004	+ 14·233	− 0·349	+ 0·03	4970
731	R. P. L. 111 ..	− 6·0208	+ 1·8143	...	+ 13·836	+ 0·725	..	5022
732	27 Libræ β	+ 3·2260	+ 0·0117	− 0·009	+ 13·562	− 0·353	+ 0·01	5034
733	... .	+ 3·7265	+ 0·0264	...	+ 13·267	− 0·414	...	...
734	S Serpentis Var. 3 ..	+ 2·8061	+ 0·0042	...	+ 13·197	− 0·314	..	...
735	S Coronæ Borealis Var 2	+ 2·4454	+ 0·0014	...	+ 13·161	− 0·275	...	

711.—Proper motions from "*Greenwich Catalogue 1872.*"
722.—Proper motions from "*Stone's Cape Catalogue.*"

Mean Positions of Stars for 1866 January 1st.

Number.	Star.	Magnitude.	Estimations.	Mean Right Ascension.			Mean Polar Distance.			Observations.	Fraction of Year.
				h	m	s	°	′	″		
736	Lacaille 6377	8·0	1	15	19	1·84	130	11	20·4	1	0·39
737	... ...	9·3	1	15	20	31·65	130	9	1·0	1	0·39
738	W. B. E. XV. 395 ...	8·9	1	15	22	5·17	101	15	55·8	1	0·39
739	Taylor 7220	8·0	...	15	22	14·08	123	7	0·2	2	0·51
740	38 Libræ γ	4·0	...	15	23	2·03	104	20	24·3	1	0·40
741	5 Cor. Bor. α (*Alpheta*) ..	2·4	...	15	29	0·89	62	49	59·0	4	0·48
742	W. B. E. XV. 587 ...	7·8	1	15	31	59·69	103	27	58·9	1	0·43
743	W. B. E. XV. 645 ..	9·1	1	15	34	29·23	102	19	40·2	1	0·39
744	... ...	8·5	1	15	34	58·68	129	1	50·9	1	0·33
745	44 Serpentis α	2·7	...	15	37	40·06	83	9	3·7	2	0·50
746	O. A. S. 14874	8·3	...	15	39	34·93	104	49	3·6	1	0·46
747	O. A. S. 14934	9·4	2	15	42	56·17	107	52	47·7	2	0·54
748	W. B. E. XV. 838 ...	7·7	1	15	44	6·09	104	27	21·5	1	0·43
749	O. A. S. 14963	7·0	1	15	44	35·18	108	1	54·7	1	0·56
750	46 Libræ θ...	4·3	...	15	46	11·82	106	20	1·2	2	0·33
751	Radcliffe 3462	8·0	1	15	46	24·70	47	1	55·2	1	0·39
752	16 Ursæ Minoris ζ ...	4·5	...	15	48	55·08	11	47	40·3	1	0·51
753	49 Libræ	5·6	...	15	52	48·58	106	8	9·1	1	0·41
754	8 Scorpii β¹	3·0	...	15	57	38·57	109	26	10·2	5	0·36
755	O. A. S. 15237	8·2	2	15	59	25·57	106	34	43·5	2	0·47
756	Lalande 29306	8·4	2	15	59	33·13	107	34	20·0	2	0·43
757	R Herculis Var. 2 ...	9·5	1	16	0	12·28	71	16	3·7	1	0·37
758	Lalande 29391	7·0	1	16	1	55·35	102	41	39·8	1	0·41
759	O. A. S. 15342	8·0	3	16	3	33·17	107	45	50·1	3	0·43
760	R. P. L. 116	6·9	...	16	4	16·85	4	19	5·7	2	0·60
761	... .. .	7·7	2	16	4	18·63	107	52	54·0	2	0·40
762	W. B. E. XVI. 83 ..	9·0	1	16	6	9·00	102	41	24·6	1	0·38
763	1 Ophiuchi δ	2·8	...	16	7	19·51	93	20	50·5	5	0·51
764	... ...	10·4	3	16	12	31·34	107	57	2·6	3	0·35
765	... ...	9·6	4	16	16	42·74	107	25	53·8	4	0·46
766	Taylor 8221	9·0	1	16	17	23·31	113	5	37·9	1	0·55
767	7 Ophiuchi χ	5·0	...	16	19	15·72	108	8	57·6	1	0·40
768	21 Scorpii α (*Antares*) ..	1·1	...	16	21	11·70	116	7	54·1	4	0·48
769	14 Draconis η ...	2·5	...	16	22	10·23	28	10	51·3	1	0·55
770	9 Ophiuchi ω	4·7	...	16	24	11·84	111	10	36·1	2	0·40

738.—743.—Comparison stars for Sappho in 1864.
742.—746.—748.—753.—Comparison stars for Asia in 1861.
747.—749.—753.—755.—756.—759.—761.—764.—765.—Comparison stars for Sylvia in 1866.
757.—R Herculis Var. 2.—Period 319 days.—Range 8·5 to below 13th magnitude.
758.—Comparison star for Donati's Comet in 1858.
760.—Carrington 2123.

Observed with the Madras Meridian Circle in that Year.

Number.	Star.	In Right Ascension.			In Polar Distance.			Number in B. A. C.
		Annual Precession.	Secular Variation.	Proper Motion.	Annual Precession.	Secular Variation.	Proper Motion.	
		s	s	s	"	"	"	
736	Lacaille 6377 ..	+ 3·9342	+ 0·0334	...	+ 12·956	− 0·444	...	..
737	.. ..	+ 3·9377	+ 0·0332	...	+ 12·856	− 0·447	...	.
738	W. B. E. XV. 395	+ 3·2777	+ 0·0124	..	+ 12·750	− 0·374	...	.
739	Taylor 7220 .	+ 3·7456	+ 0·0258	...	+ 12·741	− 0·427	...	...
740	38 Libræ γ	+ 3·3415	+ 0·0136	+ 0·002	+ 12·344	− 0·359	− 0·02	5134
741	5 Cor. Bor. α (*Alpheta*)	+ 2·5295	+ 0·0023	+ 0·009	+ 12·277	− 0·207	+ 0·07	5143
742	W. B. E. XV. 587 ...	+ 3·3279	+ 0·0131	...	+ 12·070	− 0·393	...	...
743	W. B. E. XV. 645	+ 3·3073	+ 0·0125	...	+ 11·895	− 0·393	...	.
744	... ...	+ 3·9461	+ 0·0302	...	+ 11·860	− 0·471	...	..
745	24 Serpentis α ..	+ 2·9414	+ 0·0062	+ 0·009	+ 11·670	− 0·354	− 0·05	5196
746	O. A. S. 14874 ...	+ 3·3615	+ 0·0133	...	+ 11·533	− 0·405	...	...
747	O. A. S. 14934 ..	+ 3·4286	+ 0·0145	...	+ 11·291	− 0·418	.	...
748	W. B. E. XV. 838 ...	+ 3·3579	+ 0·0130	...	+ 11·207	− 0·411	...	...
749	O. A. S. 14963 ..	+ 3·4336	+ 0·0145	...	+ 11·172	− 0·421	...	...
750	46 Libræ θ	+ 3·3991	+ 0·0136	+ 0·009	+ 11·064	− 0·418	− 0·12	5257
751	Radcliffe 3462	+ 2·0324	+ 0·0033	...	+ 11·039	− 0·253	...	...
752	16 Ursæ Minoris 3 ...	− 2·3116	+ 0·2041	+ 0·029	+ 10·856	+ 0·278	+ 0·08	5285
753	49 Libræ	+ 3·4009	+ 0·0131	− 0·049	+ 10·567	− 0·427	+ 0·37	5304
754	8 Scorpii β¹	+ 3·4781	+ 0·0142	− 0·002	+ 10·205	− 0·441	+ 0·02	5320
755	O. A. S. 15237	+ 3·4163	+ 0·0129	...	+ 10·070	− 0·435	.	..
756	Lalande 29306 .	+ 3·4384	+ 0·0132	.	+ 10·061	− 0·438	.	.
757	R Herculis Var. 2 ...	+ 2·6792	+ 0·0040	...	+ 10·012	− 0·343	..	
758	Lalande 29391 ..	+ 3·3342	+ 0·0113	...	+ 9·881	− 0·427	...	...
759	O. A. S. 15312 .	+ 3·4463	+ 0·0130	..	+ 9·757	− 0·443	...	.
760	R. P. L. 116 ..	− 12·4243	+ 1·7530	..	+ 9·701	+ 1·582	.	..
761	... ...	+ 3·4497	+ 0·0130	..	+ 9·699	− 0·444	..	
762	W. B. H. XVI. 83 .	+ 3·3368	+ 0·0110	...	+ 9·557	− 0·431	.	.
763	1 Ophiuchi δ	+ 3·1410	+ 0·0081	− 0·006	+ 9·468	− 0·408	+ 0·13	5414
764	... . ..	+ 3·4508	+ 0·0123	.	+ 9·064	− 0·453	.	...
765	... .	+ 3·4500	+ 0·0119		+ 8·735	− 0·457	.	..
766	Taylor 8521	+ 3·5862	+ 0·0141	...	+ 8·660	− 0·476		5478
767	7 Ophiuchi χ	+ 3·4687	+ 0·0119	− 0·003	+ 8·634	− 0·462	+ 0·01	5480
768	21 Scorpii α (*Antares*)	+ 3·6680	+ 0·0150	− 0·001	+ 8·381	− 0·491	+ 0·03	5498
769	14 Draconis η ..	+ 0·8005	+ 0·0188	+ 0·005	+ 8·302	− 0·111	− 0·07	5512
770	9 Ophiuchi ω . ..	+ 3·5455	+ 0·0126	+ 0·001	+ 8·141	− 0·476	− 0·03	5519

750.—752.—768.—769.—770.—Proper motions from "*Greenwich Catalogue* 1872."

Mean Positions of Stars for 1866 *January* 1*st.*

Number.	Star.	Magnitude.	Estimations.	Mean Right Ascension.			Mean Polar Distance.			Observations.	Fraction of Year.
				h.	m.	s.	°	′	″		
771	30 Herculis *g* Var. 5 ...	6·0	2	16	24	14·56	47	49	20·5	2	0·49
772	Taylor 7723	5·2	...	16	33	49·43	107	28	47·1	2	0·33
773	α Trianguli Australis ...	2·2	..	16	34	30·39	158	46	38·1	1	0·54
774	40 Herculis 3	3·1	...	16	36	14·06	58	9	9·7	5	0·54
775	... ...	9·0	1	16	44	32·83	131	1	44·3	1	0·54
776	Taylor 7842	6·8	1	16	48	17·74	106	35	23·3	3	0·40
777	27 Ophiuchi κ	3·4	...	16	51	19·48	80	24	51·9	4	0·53
778	O. A. S. 16232	9·6	1	16	54	4·72	110	14	52·8	1	0·55
779	... ...	9·0	1	16	55	23·86	109	56	47·3	1	0·54
780	22 Ursæ Minoris ε ..	4·5	...	16	59	48·56	7	44	53·6	3	0·04
781	35 Ophiuchi η	2·6	...	17	2	41·96	105	33	22·1	1	0·41
782	... ...	8·0	...	17	5	52·61	130	50	34·2	1	0·55
783	64 Herculis α Var 1 ...	3·2	...	17	8	32·26	75	27	17·1	2	0·54
784	42 Ophiuchi θ	3·4	...	17	13	46·92	114	51	45·2	5	0·53
785	... ...	7·9	1	17	28	12·21	130	43	35·1	1	0·63
786	... ...	7·9	1	17	28	33·11	125	14	45·6	1	0·63
787	55 Ophiuchi α	2·2	...	17	28	42·83	77	20	24·5	8	0·60
788	55 Serpentis ξ	3·7	...	17	29	54·90	105	18	39·8	2	0·37
789	Lacaille 7406	7·7	1	17	34	50·81	128	44	14·5	2	0·64
790	58 Ophiuchi	5·0	...	17	35	24·09	111	36	54·0	1	0·48
791	... ...	7·0	2	17	37	47·98	126	29	23·5	2	0·63
792	86 Herculis μ	3·5	...	17	41	12·90	62	11	56·3	4	0·50
793	Lacaille 7504	7·0	1	17	48	40·45	129	6	52·9	1	0·60
794	Lacaille 7517	7·7	1	17	52	34·31	140	10	25·4	1	0·63
795	Lacaille 7518 ...	7·9	1	17	52	53·80	140	12	16·4	1	0·62
796	33 Draconis γ ...	2·4	..	17	53	29·72	38	29	35·9	3	0·62
797	... .	7·9	1	18	3	8·15	59	1	12·3	1	0·63
798	. .	10·0	1	18	4	1·58	59	9	22·3	1	0·60
799	13 Sagittarii μ¹ .	4·1	.	18	5	44·97	111	5	26·9	10	0·54
800	Taylor 8461	5·7	...	18	14	33·17	134	10	22·7	1	0·60
801	23 Ursæ Minoris δ .	4·3	.	18	15	34·50	3	23	43·9	4	0·33
802	Lalande 33845	7·0	1	18	15	42·32	102	4	37·9	2	0·62
803	δ¹ Telescopii	5·7	...	18	22	6·97	135	50	43·5	1	0·63
804	Taylor 8551 .. .	7·2	1	18	27	28·74	149	13	38·4	1	0·62
805	.	7·8	1	18	28	26·16	136	34	27·6	1	0·63

771.—30 Herculis *g* Var. 5.—Changes irregularly from 5th to 6·3 magnitude.
783.—α Herculis Var. 1.—Changes irregularly between 3rd and 4th magnitude.
786.—791.—798.—805.—Comparison stars for Donati's Comet in 1858.
802.—Comparison star for Asia in 1865.

Observed with the Madras Meridian Circle in that Year.

Number.	Star.	In Right Ascension. Annual Precession.	In Right Ascension. Secular Variation.	In Right Ascension. Proper Motion.	In Polar Distance. Annual Precession.	In Polar Distance. Secular Variation.	In Polar Distance. Proper Motion.	Number in B.A.C.
		s	s	s	"	"	"	
771	30 Herculis g Var. 5..	+ 1·9619	+ 0·0012	+ 0·005	+ 8·138	− 0·265	− 0·07	5523
772	Taylor 7723	+ 3·4637	+ 0·0105	. .	+ 7·365	− 0·473	...	5570
773	α Trianguli Australis.	+ 6·2780	+ 0·0907	0·000	+ 7·309	− 0·858	+ 0·06	5578
774	40 Herculis ζ ..	+ 2·2964	+ 0·0033	− 0·034	+ 7·168	− 0·316	− 0·45	5604
775	...	+ 4·1730	+ 0·0198	...	+ 6·484	− 0·579		...
776	Taylor 7842	+ 3·4511	+ 0·0059	...	+ 6·173	− 0·482	...	5695
777	27 Ophiuchi κ ...	+ 2·8563	+ 0·0044	− 0·023	+ 5·920	− 0·402	− 0·02	5708
778	O. A. S. 16232 ...	+ 3·5451	+ 0·0093	...	+ 5·689	− 0·498	...	..
779	. ... .	+ 3·5382	+ 0·0091	...	+ 5·579	− 0·498	...	...
780	22 Ursæ Minoris ε ...	− 6·4185	+ 0·3044	+ 0·009	+ 5·206	+ 0·901	− 0·01	5780
781	35 Ophiuchi η ..	+ 3·4327	+ 0·0074	+ 0·001	+ 4·962	− 0·487	− 0·12	5781
782	. .. ..	+ 4·1958	+ 0·0148	...	+ 4·693	− 0·597	...	...
783	64 Herculis α Var. 1.	+ 2·7339	+ 0·0035	− 0·003	+ 4·465	− 0·391	− 0·04	5821
784	42 Ophiuchi θ ...	+ 3·6790	+ 0·0080	− 0·003	+ 4·018	− 0·528	− 0·02	5851
785	. ... ..	+ 4·2121	+ 0·0094	...	+ 2·773	− 0·609	..	...
786	... ...	+ 4·0079	+ 0·0079	...	+ 2·743	− 0·580	.	.
787	55 Ophiuchi α ..	+ 2·7745	+ 0·0030	+ 0·004	+ 2·729	− 0·402	+ 0·20	5941
788	55 Serpentis ξ ..	+ 3·4350	+ 0·0047	− 0·004	+ 2·625	− 0·498	+ 0·04	5949
789	Lacaille 7406 ..	+ 4·1383	+ 0·0072	...	+ 2·197	− 0·601	...	...
790	58 Ophiuchi	+ 3·5989	+ 0·0050	− 0·010	+ 2·148	− 0·523	− 0·04	5987
791	.. ..	+ 4·0564	+ 0·0064	...	+ 1·940	− 0·590	.	..
792	86 Herculis μ ...	+ 2·3695	+ 0·0025	− 0·026	+ 1·642	− 0·346	+ 0·74	6021
793	Lacaille 7504 ..	+ 4·1579	+ 0·0042	.	+ 0·990	− 0·606	...	...
794	Lacaille 7517 ...	+ 5·3115	+ 0·0053	.	+ 0·649	− 0·774	..	.
795	Lacaille 7518 ..	+ 5·3144	+ 0·0052	..	+ 0·621	− 0·775	..	...
796	33 Draconis γ ...	+ 1·3915	+ 0·0030	0·000	+ 0·569	− 0·203	+ 0·04	6091
797	... .	+ 2·2695	+ 0·0022	.	− 0·274	− 0·331	...	
798	... .	+ 2·2741	+ 0·0021	.	− 0·352	− 0·332	.	.
799	13 Sagittarii μ^1 .	+ 3·5875	+ 0·0009	− 0·004	− 0·503	− 0·523	+ 0·01	6168
800	Taylor 8401	+ 4·3684	− 0·0028	. .	− 1·272	− 0·635	.	6228
801	23 Ursæ Minoris δ ..	− 10·4091	− 0·4553	+ 0·048	− 1·361	+ 2·825	− 0·08	6281
802	Lalande 33815 ..	+ 3·3575	+ 0·0004		− 1·373	− 0·488	...	
803	δ^1 Telescopii	+ 4·4428	− 0·0055	− 0·003	− 1·033	− 0·643	+ 0·05	6282
804	Taylor 8551 ..	+ 5·3012	− 0·0153		− 2·399	− 0·767	...	.
805	... ...	+ 4·4257	− 0·0073		− 2·481	− 0·640	.	

773.—803 —Proper motions from "*Stone's Cape Catalogue.*"
777.—788 —Proper motions from "*Greenwich Catalogue* 1872."

Mean Positions of Stars for 1866 January 1st.

Number.	Star.	Magnitude.	Estimations.	Mean Right Ascension.			Mean Polar Distance			Observations.	Fraction of Year.
				h.	m.	s.	°	′	″		
806	3 Lyræ α (*Vega*)	0·2	...	18	32	24·00	51	20	22·4	8	0·63
807	Lacaille 7832	7·1	1	18	37	46·15	149	5	23·8	1	0·62
808	R Scuti Var. 1	7·1	4	18	40	19·65	95	50	46·9	4	0·64
809	Lacaille 7872	6·5	2	18	42	29·20	136	44	55·4	2	0·65
810	Lacaille 7878	7·1	2	18	43	2·34	136	14	32·4	2	0·65
811	10 Lyræ β Var. 1... ...	3·6	...	18	45	7·89	56	47	28·8	5	0·63
812	... ...	8·2	2	18	47	2·09	137	44	48·4	2	0·60
813	37 Sagittarii ξ^{2}	3·5	...	18	49	44·24	111	16	48·3	1	0·40
814	13 Lyræ Var. 2	4·4	...	18	51	15·35	46	13	44·1	4	0·61
815	O. A. S. 18960	7·6	3	18	53	46·20	121	7	29·7	3	0·66
816	. .. .	8·0	2	18	54	18·40	122	56	5·1	3	0·67
817	39 Sagittarii ο	3·9	...	18	56	39·04	111	56	5·0	2	0·64
818	17 Aquilæ ζ	3·1	...	18	59	14·95	76	20	0·7	5	0·64
819	.. ..	9·4	1	19	0	57·83	82	1	24·2	1	0·61
820	41 Sagittarii π	3·1	...	19	1	47·52	111	14	1·6	2	0·64
821	.. ..	7·0	3	19	3	15·41	139	22	32·4	3	0·68
822	... ...	7·9	3	19	3	21·27	122	50	57·3	3	0·62
823	.. ..	9·0	1	19	7	14·38	129	47	29·4	1	0·70
824	... ...	7·1	4	19	8	2·61	122	7	0·6	4	0·59
825	. ...	9·8	1	19	8	26·72	129	48	50·2	1	0·61
826	.. . .	7·3	2	19	9	30·17	129	46	56·5	2	0·66
827	. . ..	8·0	...	19	10	6·83	107	9	28·5	1	0·70
828	. . ..	7·6	1	19	10	15·29	123	30	47·6	1	0·65
829	25 Aquilæ ω	5·1	...	19	11	31·53	78	38	38·6	2	0·65
830	30 Aquilæ δ	3·5	...	19	18	44·39	87	9	0·2	9	0·66
831	Taylor 8950 .	6·3	2	19	22	18·38	143	27	50·7	2	0·69
832	52 Sagittarii λ^{1} ..	4·6	.	19	25	32·00	115	10	35·0	5	0·65
833	Lacaille 8173 ..	7·7	1	19	31	46·08	143	15	16·7	1	0·68
834	.. .	8·4	1	19	34	31·56	127	16	47·6	1	0·69
835	56 Sagittarii *f*	5·1	..	19	38	32·31	110	4	51·0	2	0·64
836	50 Aquilæ γ .. .	2·8	...	19	39	53·26	79	42	40·1	5	0·64
837	S Vulpeculæ Var. 3	8·0	2	19	43	54·05	63	2	43·5	2	0·69
838	53 Aquilæ α (*Altair*) ..	1·0	...	19	44	14·00	81	28	59·8	4	0·63
839	57 Sagittarii	6·2		19	44	21·75	109	22	57·2	1	0·64
840	60 Aquilæ β ..	4·0	..	19	48	43·60	83	55	33·2	4	0·65

808.—R Scuti Var. 1.—Period 71 days.—Range, 5th to 8th magnitude.
809.—810.—Comparison stars for Donati's Comet of 1858.
811.—β Lyræ Var. 1.—Period 12·91 days.—Range, 3·5 to 4·5 magnitude.
814.—13 Lyræ Var. 2.—Period 46 days.—Range, 4·2 to 4·6 magnitude.
815.—824.—Comparison stars for Eurydice in 1866.
816.—822.—Comparison stars for Diana in 1864.
828.—Comparison star for Pandora in 1862.
837.—S Vulpeculæ Var. 3.—Period 67·5 days.—Range, 8·5 to 9·5 magnitude.

Observed with the Madras Meridian Circle in that Year.

Number.	Star.	In Right Ascension.			In Polar Distance.			Number in B. A. C.
		Annual Precession.	Secular Variation.	Proper Motion.	Annual Precession.	Secular Variation.	Proper Motion.	
		s	s	s	"	"	"	
806	3 Lyræ α (*Vega*) ...	+ 2·0131	+ 0·0016	+ 0·017	− 2·826	− 0·290	− 0·28	6355
807	Lacaille 7832 ...	+ 5·2750	− 0·0210	...	− 3·291	− 0·758	...	...
808	R Scuti Var. 1 ...	+ 3·2069	− 0·0011	...	− 3·510	− 0·458	...	...
809	Lacaille 7872 ...	+ 4·4690	− 0·0122	...	− 3·696	− 0·639	...	...
810	Lacaille 7878 ...	+ 4·4681	− 0·0124	...	− 3·744	− 0·638	...	...
811	10 Lyræ β Var. 1 ...	+ 2·2138	+ 0·0015	− 0·002	− 3·924	− 0·315	+ 0·03	6429
812	... ...	+ 4·5130	− 0·0142	...	− 4·088	− 0·643	...	...
813	37 Sagittarii ξ² ...	+ 3·5807	− 0·0043	− 0·001	− 4·318	− 0·508	+ 0·03	6461
814	13 Lyræ Var. 2 ...	+ 1·8232	+ 0·0008	− 0·001	− 4·448	− 0·257	0·00	6475
815	O. A. S. 18960 ...	+ 3·8573	− 0·0077	...	− 4·662	− 0·545	...	...
816	... ...	+ 3·9140	− 0·0085	...	− 4·708	− 0·553	...	...
817	39 Sagittarii ο ...	+ 3·5942	− 0·0053	+ 0·001	− 4·907	− 0·506	+ 0·05	6507
818	17 Aquilæ ζ ...	+ 2·7578	+ 0·0003	− 0·006	− 5·127	− 0·387	+ 0·07	6528
819	... ...	+ 2·8914	− 0·0004	...	− 5·271	− 0·405	...	...
820	41 Sagittarii π ...	+ 3·5728	− 0·0057	− 0·004	− 5·342	− 0·500	+ 0·03	6548
821	... ...	+ 4·5717	− 0·0208	...	− 5·465	− 0·640	...	...
822	... ...	+ 3·9026	− 0·0100	...	− 5·474	− 0·546	...	...
823	... ...	+ 4·1381	− 0·0144	...	− 5·800	− 0·576	...	...
824	... ...	+ 3·8747	− 0·0104	...	− 5·867	− 0·538	...	...
825	... ...	+ 4·1372	− 0·0146	...	− 5·901	− 0·574	...	...
826	... ...	+ 4·1346	− 0·0140	...	− 5·989	− 0·573	...	...
827	... ...	+ 3·4657	− 0·0055	...	− 6·040	− 0·479	...	...
828	... ...	+ 3·9162	− 0·0115	...	− 6·052	− 0·542	...	...
829	25 Aquilæ ω ...	+ 2·8165	− 0·0003	− 0·003	− 6·158	− 0·388	− 0·02	6595
830	30 Aquilæ δ ...	+ 3·0094	− 0·0018	+ 0·014	− 6·756	− 0·410	− 0·10	6646
831	Taylor 8950 ...	+ 4·7615	− 0·0327	...	− 7·048	− 0·647	...	6689
832	52 Sagittarii h² ...	+ 3·6541	− 0·0102	+ 0·002	− 7·558	− 0·490	− 0·02	6706
833	Lacaille 8173 ...	+ 4·7211	− 0·0358	...	− 7·817	− 0·631	...	...
834	... ...	+ 4·0045	− 0·0179	...	− 8·039	− 0·533	...	...
835	56 Sagittarii f ...	+ 3·5161	− 0·0091	− 0·013	− 8·360	− 0·462	+ 0·07	6760
836	50 Aquilæ γ ...	+ 2·8520	− 0·0011	+ 0·001	− 8·466	− 0·373	0·00	6772
837	8 Vulpeculæ Var. 3.	+ 2·4596	+ 0·0011	...	− 8·703	− 0·319	...	...
838	53 Aquilæ α (*Altair*)...	+ 2·8921	− 0·0014	+ 0·036	− 8·811	− 0·374	− 0·38	6802
839	57 Sagittarii...	+ 3·4945	− 0·0094	− 0·008	− 8·824	− 0·454	+ 0·06	6803
840	60 Aquilæ β ...	+ 2·9455	− 0·0020	+ 0·002	− 9·162	− 0·378	+ 0·47	6833

814.—835.—Proper motions from "*Greenwich Catalogue* 1872."

Mean Positions of Stars for 1866 January 1st.

Number.	Star.	Magnitude.	Estimations.	Mean Right Ascension.			Mean Polar Distance.			Observations.	Fraction of Year.
				h.	*m.*	*s.*	°	′	″		
841	... ...	7·9	1	19	56	54·87	130	21	15·2	1	0·69
842	λ Ursæ Minoris	6·5	...	19	58	11·54	1	5	32·7	4	0·14
843	... ...	8·6	3	20	7	47·21	81	22	7·6	3	0·71
844	R Sagittæ Var. 1	9·8	1	20	7	57·46	73	40	38·3	1	0·72
845	O. A. S. 20356	7·7	1	20	8	28·28	110	25	48·6	1	0·60
846	6 Capricorni α²	3·8	...	20	10	36·95	102	57	28·5	6	0·66
847	... ...	7·5	1	20	10	38·87	149	8	41·6	1	0·74
848	... ...	9·7	1	20	12	13·56	88	46	53·2	1	0·59
849	α Pavonis	2·1	...	20	15	1·73	147	9	39·6	1	0·66
850	Lalande 39125	8·9	1	20	15	38·13	106	12	59·2	1	0·71
851	11 Capricorni ρ	5·0	...	20	21	12·80	108	15	15·5	13	0·70
852	... ...	9·0	1	20	26	28·49	121	12	17·8	1	0·61
853	... ...	9·3	1	20	28	50·44	121	6	5·6	1	0·75
854	R. P. L. 143.	6·7	...	20	29	24·34	5	18	3·9	1	0·72
855	... ...	9·0	1	20	31	2·56	149	55	0·4	1	0·72
856	S Capricorni Var. 2 ...	9·3	4	20	34	4·22	109	31	57·1	4	0·70
857	... ...	9·2	1	20	35	54·12	124	59	57·6	1	0·60
858	50 Cygni α (*Deneb*) ...	1·5	...	20	36	51·82	45	11	50·3	4	0·68
859	W. B. E. XX. 938 ...	8·6	2	20	36	53·33	73	22	37·6	2	0·69
860	S Delphini Var. 2. ...	9·2	2	20	36	54·44	73	23	30·8	2	0·72
861	2 Aquarii ε	3·8	...	20	40	25·16	99	59	4·2	2	0·57
862	W. B. E. XX. 1024 ...	9·5	1	20	40	59·74	105	23	50·6	1	0·71
863	... ...	10·4	1	20	41	15·49	105	17	55·5	1	0·72
864	6 Aquarii μ	4·8	...	20	45	25·33	99	29	3·7	1	0·64
865	32 Vulpeculæ .	5·1	...	20	48	50·89	62	27	2·8	8	0·74
866	Lacaille 8630	7·0	2	20	51	31·67	126	38	45·5	2	0·72
867	... ...	9·0	1	20	54	6·44	142	58	47·8	1	0·78
868	... ...	10·2	2	20	58	31·18	66	42	20·8	2	0·72
869	Taylor 9772 ... 1st.	7·7	1	21	0	36·11	145	6	50·6	1	0·74
870	Taylor 9772 ... 2nd	7·9	3	21	0	36·30	145	6	50·5	3	0·77
871	61 Cygni ... ... 1st ...	5·5	...	21	0	53·50	51	54	28·3	3	0·75
872	13 Aquarii ν ...	4·6	...	21	2	17·43	101	54	45·3	1	0·72
873	...	9·3	1	21	3	3·17	145	16	16·7	1	0·78
874	Lacaille 8712	8·3	1	21	4	29·13	146	48	5·0	1	0·73
875	64 Cygni ζ ...	3·5	...	21	7	13·04	61	19	17·0	14	0·72

844.—R Sagittæ Var. 1.—Period 70·4 days.—Range, 8·3 to 10·3 magnitude.
845.—Comparison star for Parthenope in 1862.
850.—Comparison star for Hestia in 1865.
854.—Carrington 3128.
856.—S Capricorni Var. 2.—Supposed to change from 9th to 11th magnitude.
860.—S Delphini Var. 2.—Period 276 days.—Range, 8th to 11th magnitude.

Observed with the Madras Meridian Circle in that Year.

Number.	Star.	In Right Ascension.			In Polar Distance.			Number in B.A.C.
		Annual Precession.	Secular Variation.	Proper Motion.	Annual Precession.	Secular Variation.	Proper Motion.	
		s	s	s	"	"	"	
841	... .	+ 4·0635	− 0·0244	...	− 0·793	− 0·513	...	...
842	λ Ursæ Minoris .	− 57·8942	− 29·8534	− 0·035	− 9·891	+ 7·349	− 0·01	6999
843	... .	+ 2·8999	− 0·0017	...	− 10·611	− 0·354	...	...
844	R Sagittæ Var. 1 ..	+ 2·7400	− 0·0020	...	− 10·623	− 0·186	...	...
845	O. A. S 20856 ...	+ 3·4938	− 0·0116	...	− 10·663	− 0·427	...	...
846	6 Capricorni α²	+ 3·3311	− 0·0084	+ 0·001	− 10·822	− 0·403	0·00	6974
847	... ...	+ 4·9562	− 0·0649	...	− 10·823	− 0·604	...	...
848	... ...	+ 3·0482	− 0·0037	...	− 10·940	− 0·367	...	...
849	α Pavonis	+ 4·7942	− 0·0594	0·000	− 11·144	− 0·574	+ 0·10	7004
850	Lalande 39125 ..	+ 3·3948	− 0·0101	...	− 11·188	− 0·406	...	...
851	11 Capricorni ρ ..	+ 3·4319	− 0·0115	− 0·006	− 11·590	− 0·403	+ 0·01	7042
852	... ...	+ 3·7221	− 0·0200	...	− 11·962	− 0·431	...	...
853	... ...	+ 3·7145	− 0·0201	...	− 12·128	− 0·427	...	...
854	R. P. L. 143 ..	− 8·3817	− 1·2620	...	− 12·168	+ 0·976	...	...
855	... .	+ 4·8967	− 0·0742	...	− 12·281	− 0·560	...	...
856	S Capricorni Var. 2..	+ 3·4132	− 0·0128	...	− 12·489	− 0·385	...	...
857	... .	+ 3·7999	− 0·0242	...	− 12·614	− 0·426	...	...
858	50 Cygni α (*Deneb*) ..	+ 2·0433	+ 0·0021	− 0·002	− 12·680	− 0·226	0·00	7171
859	W. B. E. XX. 933..	+ 2·7629	+ 0·0002	...	− 12·681	− 0·307	...	...
860	S Delphini Var. 2 ...	+ 2·7632	+ 0·0002	...	− 12·682	− 0·307	...	...
861	2 Aquarii ε	+ 3·2521	− 0·0084	− 0·001	− 12·919	− 0·357	+ 0·01	7196
862	W. B. E. XX. 1024..	+ 3·3532	− 0·0109	...	− 12·958	− 0·367	...	...
863	... ...	+ 3·5510	− 0·0109	...	− 12·975	− 0·367	...	...
864	6 Aquarii μ	+ 3·2307	− 0·0083	0·000	− 13·251	− 0·349	+ 0·04	7239
865	32 Vulpeculæ ..	+ 2·5555	+ 0·0026	− 0·002	− 13·475	− 0·270	0·00	7256
866	Lacaille 8630 .	+ 3·8009	+ 0·0272	...	− 13·647	− 0·400	...	...
867	... ...	+ 4·3576	− 0·0553	...	− 13·812	− 0·455	...	...
868	... .	+ 2·6624	+ 0·0022	...	− 14·059	− 0·270	...	...
869	Taylor 9772 ... 1st .	+ 4·4244	− 0·0624	...	− 14·218	− 0·449	...	...
870	Taylor 9772 ... 2nd...	+ 4·4244	− 0·0624	...	− 14·218	− 0·449	...	...
871	61 Cygni ... 1st .	+ 2·3338	+ 0·0044	+ 0·339	− 14·230	− 0·233	− 3·22	7336
872	13 Aquarii ν	+ 3·2696	− 0·0098	+ 0·001	− 14·322	− 0·328	+ 0·01	7344
873	... .	+ 4·4061	− 0·0626	...	− 14·368	− 0·443	...	...
874	Lacaille 8712 .	+ 4·4593	− 0·0685	..	− 14·446	− 0·449	...	...
875	64 Cygni ζ	+ 2·5506	+ 0·0038	− 0·003	− 14·622	− 0·248	+ 0·07	7368

849.—Proper motions from "*Stone's Cape Catalogue.*"

Mean Positions of Stars for 1866 January 1st.

Number.	Star.	Magnitude.	Estimations.	Mean Right Ascension.			Mean Polar Distance.			Observations	Fraction of Year.
				h.	m.	s.	°	′	″		
876	... ...	9·6	1	21	11	8·83	129	31	28·5	1	0·75
877	Brisbane 7012	8·4	2	21	14	14·11	151	45	31·1	3	0·74
878	T Capricorni Var. 3 ...	9·9	1	21	14	32·25	105	39	41·2	1	0·72
879	5 Cephei α	2·6	...	21	15	22·63	27	58	52·8	2	0·72
880	... ...	7·7	1	21	20	14·71	150	47	21·0	1	0·70
881	22 Aquarii β	3·1	...	21	14	30·14	96	9	33·3	9	0·73
882	8 Cephei β	3·4	...	21	26	55·34	20	1	37·5	2	0·64
883	... ...	9·0	1	21	28	58·15	134	3	49·6	1	0·70
884	23 Aqnarii ξ	4·8	...	21	30	36·90	98	27	13·5	2	0·61
885	Taylor 10068	7·5	1	21	34	28·51	134	6	11·8	1	0·74
886	8 Cephei Var. 3	7·0	1	21	36	49·34	11	58	45·8	1	0·66
887	8 Pegasi ε	2·4	...	21	37	36·24	81	44	16·6	7	0·75
888	48 Capricorni λ	5·4	...	21	39	19·02	101	58	57·4	1	0·49
889	μ Cephei Var. 1	3·9	...	21	39	24·43	31	50	3·0	1	0·74
890	W. B. E. XXI. 975 ...	9·7	1	21	41	16·14	97	19	12·1	1	0·72
891	16 Pegasi	5·0	...	21	16	57·90	64	42	16·2	4	0·77
892	... ...	8·9	1	21	47	42·52	183	11	56·7	1	0·70
893	Taylor 10190	6·4	2	21	51	14·14	146	31	22·4	2	0·64
894	... ...	9·5	1	21	52	54·19	136	37	41·6	1	0·78
895	ε Indi	5·2	...	21	53	5·59	147	20	5·5	3	0·71
896	... ...	9·0	1	21	53	58·71	150	48	43·9	1	0·72
897	34 Aquarii α	3·2	...	21	58	53·09	90	58	11·2	9	0·70
898	α Gruis	1·9	...	21	59	46·52	137	36	31·1	1	0·70
899	... ...	8·0	2	23	9	11·77	98	21	30·8	2	0·75
900	.. ..	8·0	1	22	9	16·00	146	26	43·6	1	0·78
901	43 Aquarii θ	4·3	...	22	9	45·54	9	26	58·6	7	0·75
902	.. ..	9·0	1	23	13	17·03	146	28	1·1	1	0·78
903	... ...	9·0	1	23	16	58·44	135	57	49·2	1	0·79
904	55 Aquarii ζ ... 1st...	4·7	...	22	21	55·66	90	42	15·7	3	0·72
905	55 Aquarii ζ . 2nd...	4·5	...	22	21	55·67	90	42	19·1	1	0·70
906	... ...	7·9	2	22	21	57·76	100	37	10·8	2	0·75
907	27 Cephei δ Var. 2 . .	4·0	...	22	24	12·00	32	16	13·1	1	0·70
908	... ...	7·9	1	22	25	50·50	141	20	38·7	1	0·79
909	62 Aquarii η . .	4·2	...	22	28	28·14	90	48	27·2	6	0·78
910	Lacaille 9188	7·0	2	22	30	0·61	130	33	7·0	2	0·78

878.—T Capricorni Var. 3.—Period 200 days.—Range, 9th to below 14th magnitude.
886.—T Cephei Var. 3.—Period 485 days.—Range, 8th to 11·5 magnitude.
889.—μ Cephei Var. 1.—Changes irregularly from 4th to 6th magnitude.
890.—Comparison star for Ariadne in 1864.
907.—δ Cephei Var 2.—Period 5·366 days.—Range, 3·7 to 4·8 magnitude.

Observed with the Madras Meridian Circle in that Year.

Number.	Star.	In Right Ascension.			In Polar Distance.			Number in B. A. C.
		Annual Precession.	Secular Variation.	Proper Motion.	Annual Precession.	Secular Variation.	Proper Motion.	
		s	s	s	"	"	"	
876	... ...	+ 3·8132	− 0·0820	...	− 14·854	− 0·368	...	...
877	Brisbane 7012 ...	+ 4·7190	− 0·0917	...	− 15·034	− 0·450	...	...
878	T Capricorni Var. 3.	+ 3·3199	− 0·0120	...	− 15·051	− 0·314	...	...
879	5 Cephei α	+ 1·4160	− 0·0071	+ 0·021	− 15·100	− 0·130	− 0·01	7416
880	... ...	+ 4·6072	− 0·0871	...	− 15·376	− 0·425	...	...
881	22 Aquarii β... ...	+ 3·1625	− 0·0071	− 0·001	− 15·614	− 0·282	0·00	7478
882	8 Cephei β	+ 0·8003	− 0·0345	0·000	− 15·745	− 0·065	+ 0·04	7493
883	... ...	+ 3·8645	− 0·0394	...	− 15·855	− 0·338	...	...
884	23 Aquarii 1	+ 3·1927	− 0·0083	+ 0·004	− 15·943	− 0·276	+ 0·04	7514
885	Taylor 10098 ..	+ 3·8407	− 0·0395	...	− 16·146	− 0·325	...	7538
886	S Cephei Var. 3 ...	− 0·6131	− 0·1622	...	− 16·267	+ 0·059	...	...
887	8 Pegasi ε	+ 2·9451	− 0·0005	+ 0·003	− 16·307	− 0·242	0·00	7561
888	48 Capricorni λ ...	+ 3·2356	− 0·0101	− 0·002	− 16·394	− 0·265	+ 0·01	7577
889	μ Cephei Var. 1 ...	+ 1·8324	+ 0·0039	...	− 16·398	− 0·147	...	7582
890	W. B. E. XXI. 975..	+ 3·1698	− 0·0076	...	− 16·492	− 0·256	...	...
891	16 Pegasi	+ 2·7255	+ 0·0052	+ 0·001	− 16·770	− 0·210	+ 0·01	7627
892	... .	+ 3·7572	− 0·0383	...	− 16·806	− 0·292	...	...
893	Taylor 10190 ...	+ 4·1492	− 0·0695	...	− 16·972	− 0·316	...	7645
894	. ...	+ 3·8173	− 0·0441	...	− 17·049	− 0·286	...	...
895	ι Indi	+ 4·1688	− 0·0724	+ 0·480	− 17·058	− 0·313	+ 2·45	7656
896	. ... .	+ 4·3228	− 0·0872	...	− 17·099	− 0·323	...	...
897	34 Aquarii α	+ 3·0835	− 0·0041	− 0·003	− 17·320	− 0·219	+ 0·02	7688
898	α Gruis	+ 3·8056	− 0·0457	+ 0·011	− 17·369	− 0·270	+ 0·15	7692
899	... .	+ 3·1634	− 0·0077	...	− 17·756	− 0·207	...	...
900	... ...	+ 4·0086	− 0·0681	...	− 17·759	− 0·264	...	...
901	43 Aquarii θ	+ 3·1639	− 0·0075	+ 0·006	− 17·780	− 0·205	+ 0·03	7773
902	... ...	+ 3·9779	− 0·0677	...	− 17·920	− 0·253	...	...
903	... ..	+ 3·6730	− 0·0422	...	− 18·062	− 0·225	...	...
904	55 Aquarii ζ ... 1st..	+ 3·0789	− 0·0033	+ 0·009	− 18·247	− 0·178	− 0·03	7832
905	55 Aquarii ζ .. 2nd ..	+ 3·0789	− 0·0033	+ 0·009	− 18·247	− 0·178	− 0·03	7832
906	... .	+ 3·1761	− 0·0085	...	− 18·248	− 0·180	...	...
907	27 Cephei δ Var. 2 ...	+ 2·2127	+ 0·0165	+ 0·002	− 18·328	− 0·123	+ 0·02	7848
908	... ...	+ 3·7423	− 0·0527	...	− 18·391	− 0·210	...	...
909	62 Aquarii η	+ 3·0794	− 0·0031	+ 0·003	− 18·477	− 0·166	+ 0·06	7868
910	Lacaille 9188... ..	+ 3·5098	− 0·0333	...	− 18·529	− 0·188	...	...

895.—898.—Proper motions from "*Stone's Cape Catalogue.*"

Mean Positions of Stars for 1866 January 1st.

Number.	Star.	Magnitude.	Estimations.	Mean Right Ascension.			Mean Polar Distance.			Observations.	Fraction of Year.
				h.	*m.*	*s.*	°	′	″		
911	42 Pegasi ζ	3·6	...	22	34	46·69	79	52	2·7	5	0·74
912	W. B. E. XXII. 844. ...	8·8	1	22	40	40·32	87	48	4·0	1	0·78
913	... ...	9·0	...	22	43	33·73	130	36	2·1	1	0·84
914	O. A. S. 22500	8·0	3	22	49	7·18	119	19	14·2	3	0·77
915	S Aquarii Var. 2.... ...	9·2	1	22	49	55·32	111	3	27·6	1	0·82
916	24 Pis. Aus. α (*Fomalhaut.*)	1·3	...	22	50	14·41	120	19	55·4	6	0·76
917	... ...	7·2	2	22	50	25·82	110	15	27·4	2	0·75
918	... ...	8·5	2	22	51	51·82	85	22	30·3	2	0·83
919	54 Pegasi α (*Markab*) ...	2·6	...	22	58	5·21	75	30	55·4	3	0·78
920	Lacaille 9372	8·0	1	23	0	30·09	150	27	34·8	1	0·77
921	... ...	9·2	1	23	4	25·22	130	48	37·2	1	0·78
922	... ...	8·6	2	23	8	15·22	150	30	39·1	3	0·81
923	Lacaille 9423	7·0	1	23	10	2·53	151	43	57·0	1	0·09
924	6 Piscium γ	3·8	...	23	10	13·10	87	26	58·0	9	0·76
925	... ...	8·5	1	23	10	42·06	150	43	55·5	1	0·83
926	96 Aquarii...	5·7	...	23	12	27·07	95	51	23·3	1	0·72
927	... ...	9·0	1	23	15	48·15	130	30	9·4	1	0·84
928	Taylor 10748	6·0	2	23	17	39·84	147	35	4·9	2	0·73
929	... ...	9·5	1	23	19	49·37	151	37	26·3	1	0·84
930	8 Piscium κ	5·0	...	23	20	3·78	89	28	39·8	7	0·77
931	... ...	8·3	2	23	20	51·68	88	51	2·2	2	0·84
932	... ...	9·3	1	23	21	9·87	137	27	5·3	1	0·83
933	10 Piscium θ	4·4	...	23	21	10·39	84	21	23·8	1	0·73
934	... ...	10·0	2	23	25	36·30	129	51	20·0	2	0·84
935	Taylor 10804	6·5	1	23	27	36·19	147	33	57·4	1	0·66
936	R. P. L. 158	5·7	...	23	27	50·09	3	25	54·0	2	0·55
937	... ...	9·7	2	23	30	1·07	137	19	25·6	2	0·84
938	... ...	8·5	...	23	30	31·48	148	56	1·7	1	0·82
939	17 Piscium ι	4·3	...	23	38	3·40	85	5	59·0	6	0·79
940	35 Cephei γ	3·4	...	23	33	52·48	13	6	53·2	2	0·72
941	... ...	9·0	1	23	34	26·95	147	26	49·6	1	0·84
942	... ...	9·5	2	23	36	53·05	106	1	38·3	2	0·85
943	... ...	9·3	2	23	41	10·77	128	46	0·4	2	0·85
944	δ Sculptoris	4·6	...	23	41	56·46	118	52	16·8	4	0·81
945	Lalande 46050	8·4	1	23	42	12·32	88	18	35·8	1	0·75

914.—Comparison star for Calliope in 1866.
915.—S Aquarii Var. 2.—Period 279 days.—Range, 8th to 13th magnitude.
936.—Groombridge 4101.

Observed with the Madras Meridian Circle in that Year.

Number.	Star.	In Right Ascension.			In Polar Distance.			Number in B. A. C.
		Annual Precession.	Secular Variation.	Proper Motion.	Annual Precession.	Secular Variation.	Proper Motion.	
		s	s	s	"	"	"	
911	42 Pegasi ζ	+ 2·9852	+ 0·0023	+ 0·001	− 18·685	− 0·149	0·00	7908
912	W. B. E. XXII. 844	+ 3·0547	− 0·0012	...	− 18·865	− 0·143	...	...
913	... ...	+ 3·4473	− 0·0825	...	− 18·950	− 0·157	...	...
914	O. A. S. 22500 ...	+ 3·3006	− 0·0204	...	− 19·103	− 0·139	...	...
915	S Aquarii Var. 2. ...	+ 3·2271	− 0·0140	...	− 19·125	− 0·134	...	..
916	24 Piscis Australis α	+ 3·3065	− 0·0210	+ 0·022	− 19·134	− 0·135	+ 0·18	7992
917	... ...	+ 3·2255	− 0·0140	...	− 19·138	− 0·133	...	...
918	... ...	+ 3·0404	+ 0·0211	...	− 19·177	− 0·122	...	...
919	54 Pegasi α (*Markab*).	+ 2·9799	+ 0·0056	+ 0·003	− 19·327	− 0·107	+ 0·02	8034
920	Lacaille 9372 ...	+ 3·6777	− 0·0727	...	− 19·383	− 0·130	...	...
921	... ...	+ 3·3493	− 0·0306	...	− 19·468	− 0·109	. .	...
922	... ...	+ 3·6014	− 0·0704	...	− 19·546	− 0·110	..	...
923	Lacaille 9423 ...	+ 3·6099	− 0·0743	...	− 19·580	− 0·106	...	8101
924	6 Piscium γ	+ 3·0592	+ 0·0005	+ 0·047	− 19·584	− 0·087	+ 0·01	8105
925	... ...	+ 3·5813	− 0·0704	...	− 19·593	− 0·104	...	...
926	96 Aquarii	+ 3·1004	− 0·0038	+ 0·011	− 19·625	− 0·085	+ 0·01	8119
927	... ...	+ 3·2934	+ 0·0295	...	− 19·683	− 0·084	...	...
928	Taylor 10748 ...	+ 3·4588	− 0·0582	...	− 19·714	− 0·085	...	8157
929	... ...	+ 3·5038	− 0·0703	...	− 19·747	− 0·081	...	...
930	8 Piscium κ	+ 3·0699	0·0000	+ 0·005	− 19·752	− 0·069	+ 0·12	8169
931	... ...	+ 3·0676	+ 0·0003	...	− 19·763	− 0·068	..	...
932	... ...	+ 3·3178	− 0·0875	...	− 19·767	− 0·074	...	...
933	10 Piscium θ	+ 3·0498	+ 0·0026	− 0·011	− 19·768	− 0·067	+ 0·06	8177
934	... ...	+ 3·2390	− 0·0275	...	− 19·820	− 0·062	...	...
935	Taylor 10804 ...	+ 3·3685	− 0·0555	...	− 19·854	− 0·060	...	8208
936	R. P. L. 158 ..	− 0·0466	− 0·5067	+ 0·034	− 19·858	+ 0·010	− 0·01	8213
937	... ...	+ 3·2613	− 0·0360	...	− 19·884	− 0·053	...	...
938	... .	+ 3·3568	− 0·0583	...	− 19·889	− 0·054	...	...
939	17 Piscium ι... ...	+ 3·0585	+ 0·0030	+ 0·025	− 19·917	− 0·042	+ 0·45	8233
940	35 Cephei γ	+ 2·4193	+ 0·0740	− 0·020	− 19·924	− 0·031	− 0·15	8238
941	... ...	+ 3·3051	− 0·0532	...	− 19·930	− 0·045	...	...
942	... .	+ 3·1108	− 0·0081	...	− 19·954	− 0·037	...	...
943	... .	+, 3·1602	− 0·0244	...	− 19·988	− 0·029	...	...
944	δ Sculptoris	+ 3·1300	− 0·0161	+ 0·009	− 19·993	− 0·026	+ 0·10	8275
945	Lalande 46650 ..	+ 3·0600	+ 0·0018	...	− 19·994	− 0·026	...	..

923.—Proper motions from "*Greenwich Catalogue* 1872."
944.—Proper motions from "*Stone's Cape Catalogue.*"

Mean Positions of Stars for 1866 January 1st.

Number.	Star.	Magnitude.	Estimations.	Mean Right Ascension.			Mean Polar Distance.			Observations.	Fraction of Year.
				h.	m.	s.	°	′	″		
946	.. ..	9·7	1	23	42	48·52	150	53	24·9	1	0·85
947	22 Piscium	5·9	..	23	45	6·38	87	48	51·9	1	0·73
948	.. ..	9·3	1	23	47	3·10	150	43	2·6	1	0·78
949	Lacaille 9638	7·7	1	23	47	8·04	150	17	19·7	1	0·85
950	... .	9·5	...	23	47	37·20	150	45	12·8	1	0·86
951	... .	9·2	2	23	47	49·07	128	50	19·0	2	0·85
952	Lacaille 9641	8·2	2	23	48	8·25	128	6	35·9	2	0·80
953	28 Piscium ω	4·2	...	23	52	25·92	83	52	42·6	2	0·76
954	Lacaille 9686	7·0	1	23	53	38·61	143	50	36·2	1	0·82
955	.. ..	8·9	1	23	56	4·61	130	16	22·2	1	0·84
956	Taylor 10990	9·2	1	23	57	0·23	148	34	31·6	1	0·85
957	Lacaille 9721	5·7	..	23	59	22·11	139	49	14·4	1	0·65

Observed with the Madras Meridian Circle in that Year.

Number.	Star.	In Right Ascension.			In Polar Distance.			Number in B. A. C.
		Annual Precession.	Secular Variation.	Proper Motion.	Annual Precession.	Secular Variation.	Proper Motion.	
		s	s	s	"	"	"	
946	... ...	+ 3·2521	− 0·0590	...	− 19·999	− 0·027	...	...
947	22 Piscium ...	+ 3·0688	+ 0·0022	− 0·001	− 20·013	− 0·020	+ 0·03	8295
948	... ...	+ 3·2067	− 0·0568	...	− 20·023	− 0·018	...	...
949	Lacaille 9638 ..	+ 3·2036	− 0·0557	...	− 20·024	− 0·017	...	...
950	... ...	+ 3·2010	− 0·0566	...	− 20·025	− 0·016	...	...
951	... ...	+ 3·1292	− 0·0237	...	− 20·026	− 0·015	...	...
952	Lacaille 9641	+ 3·1264	− 0·0230	...	− 20·027	− 0·015	...	...
953	28 Piscium ω	+ 3·0673	+ 0·0047	+ 0·010	− 20·045	− 0·005	+ 0·13	8331
954	Lacaille 9686	+ 3·1229	− 0·0407	...	− 20·047	− 0·004	...	...
955	... ...	+ 3·0915	− 0·0240	...	− 20·052	+ 0·001	...	...
956	Taylor 10900 ..	+ 3·1008	− 0·0482	...	− 20·053	+ 0·003	...	...
957	Lacaille 9721	+ 3·0765	− 0·0336	...	− 20·055	+ 0·008	...	...

SEPARATE RESULTS

OF

OBSERVATIONS

OF THE FIXED STARS,

MADE WITH THE

MADRAS MERIDIAN CIRCLE

IN THE YEAR

1867.

Separate Results of Madras Meridian Circle Observations in 1867.

Number and Date.	Magnitude.	Mean Right Ascension 1867. h.	m.	s.	No. of Wires.	Mean Polar Distance 1867. °	′	″	Observer.
1	21 *Andromedae α Alpherat.*								
Sep. 17	...	0	1	31·06	...	61	38	38·1	R
Oct. 14	...		1	31·05	6		38	40·8	M
29	.		1	31·01	...		38	37·3	R
2	*Anon.*								
Oct. 22	9·2	0	2	1·55	...	127	29	28·3	R
3	*Lacaille* 9746.								
Nov. 4	8·0	0	2	57·24	..	146	55	55·5	M
4	*Anon.*								
Sep. 24	9·3	0	5	7·85	.	126	17	5·5	R
Nov. 18	9·5		5	7·61	...		17	5·1	R
5	*Anon.*								
Oct. 4	8·0	0	6	20·18	...	131	7	17·9	M
6	88 *Pegasi γ. Algenib.*								
Sep. 27	...	0	6	23·25	...	75	33	23·3	R
Oct. 26	...		6	23·33	...		33	21·0	R
28	..		6	23·27	...		33	22·0	R
Nov. 2			6	23·36	...		33	23·4	M
7	*Lalande* 163.								
Nov. 11	7·6	0	7	47·66	5	89	26	33·8	M
12	7·6		7	47·49	...		26	36·1	M
8	*Taylor* 64.								
Nov. 16	7·7	0	14	16·88	...	129	58	38·8	R
18	8·0		14	16·66	...		58	38·3	R
21	7·5		14	16·70	...		58	37·5	R
9	*Lalande* 421.								
Oct. 14	7·4	0	15	56·67	...	51	59	1·0	R
25	..		15	56·52	5		59	1·1	R
10	*Lacaille* 61.								
Nov. 4	6·9	0	16	10·56	...	129	59	59·3	M
11	*Lacaille* 88.								
Nov. 22	8·0	0	19	39·87	...	130	23	1·8	R
12	*Anon.*								
Oct. 29	9·0	0	22	51·01	...	94	44	59·0	R
Nov. 12	8·6		22	51·00	...		45	1·9	M
13	12 *Ceti.*								
Oct. 21	...	0	23	14·93	5	94	41	34·3	R
Nov. 2	...		23	15·11			41	36·7	M
6	...		23	15·01	...		41	34·4	M
7	...		23	15·15	.		41	34·8	M
11	...		23	15·07	...		41	33·9	M
15	...		23	15·04	...		41	35·0	M
16	...		23	15·03	5		41	34·8	R
21			23	15·11	..		41	33·7	R
14	*Lalande* 670.								
Nov. 18	6·0	0	23	18·35	..	85	52	33·7	R
15	*Anon.*								
Nov. 23	9·6	0	25	32·03	5	76	8	14·8	R
16	*Anon.*								
Sep. 17	10·5	0	26	13·15	5	76	14	13·7	R
17	*Anon.*								
Oct. 14	8·3	0	26	52·76	..	144	53	22·3	M
18	*Taylor* 148.								
Nov. 8	6·9	0	28	8·20		143	6	33·0	R
11	6·0		28	7·97	5		6	29·5	M
19	*Anon.*								
Oct. 21	9·2	0	32	5·32		129	43	51·9	R
Nov. 4	9·0		32	5·34			43	51·7	M
12	8·9		32	5·27	.		43	54·0	M

Separate Results of Madras Meridian Circle Observations in 1867.

Number and Date.	Magnitude.	Mean Right Ascension 1867. h.	m.	s.	No. of Wires.	Mean Polar Distance 1867. °	′	″	Observer.
20			*Anon.*						
Nov. 21	9·3	0	35	7·80	…	83	27	53·9	R
23	9·8		35	7·91	5		27	53·5	R
21			16 *Ceti β*						
Oct. 30	…	0	36	54·70	…	108	43	2·2	R
Nov. 2	…		36	54·46	…		43	3·9	M
6	…		36	54·67	…		43	2·9	M
7	…		36	54·80	…		43	3·4	M
16	…		36	54·69	…		43	2·0	R
18	…		36	54·64	…		43	2·7	R
26	…		36	54·65	3		43	2·3	R
22			*W. B. E.* 0·628.						
Nov. 15	9·0	0	37	3·20	…	93	48	19·6	M
23			*W. B. E.* 0·697.						
Oct. 29	…	0	40	52·74	5	95	13	31·5	R
Nov. 5	8·7		40	52·64	4		13	35·3	M
24			*W. B. E.* 0·705.						
Oct. 18	…	0	41	17·31	…	94	26	19·6	R
Nov. 12	7·9		41	17·39	5		26	22·1	M
25			63 *Piscium δ*						
Nov. 8	…	0	41	46·96	…	83	8	21·3	M
26			*W. B. E.* 0·716.						
Dec. 4	8·8	0	41	50·66	…	94	25	49·5	M
27			*Lacaille* 234.						
Nov. 20	7·0	0	45	3·15	4	129	15	9·2	R
21	7·0		45	3·18	…		15	6·8	R
Dec. 6	7·1		45	3·11	…		15	8·3	M
28			*Anon.*						
Oct. 30	9·7	0	45	18·11	…	129	12	54·7	R
Nov. 20	9·0		45	18·13	4		12	55·8	R
29			*Anon.*						
Oct. 30	9·5	0	50	28·98	5	129	39	11·2	R
Nov. 18	9·4		50	28·77	5		39	9·8	R
23	…		50	28·98	5		39	11·9	R
30			*Lacaille* 264.						
Oct. 29	7·3	0	50	52·32	5	151	41	8·3	R
Nov. 12	7·7		50	52·10	.		41	9·3	M
15	7·8		50	52·41	6		41	8·6	M
31			*Anon.*						
Nov. 22	9·5	0	51	11·97	…	130	39	56·4	R
Dec. 7	9·0		51	12·01	6		39	57·3	M
32			*Anon.*						
Oct. 18	…	0	51	59·05	5	130	41	3·2	R
33			71 *Piscium ε*						
Oct. 14	…	0	56	2·64	…	82	49	35·6	M
30	…		56	2·40	…		40	36·3	R
Nov. 5	…		56	2·44	…		40	37·0	M
6	…		56	2·45	…		49	36·7	M
7	…		56	2·39	…		49	37·0	M
21	…		56	2·51	…		49	37·4	R
Dec. 10	…		56	2·52	…		49	35·5	M
34			*Anon.*						
Nov. 18	9·8	1	1	33·50	3	17	35	20·8	R
23	9·4		1	33·98	5		35	23·8	R
35			*Anon.*						
Dec. 9	7·4	1	3	15·84	…	150	15	20·3	M
36			*Anon.*						
Nov. 22	9·0	1	4	1·81	5	18	33	53·2	R

Separate Results of Madras Meridian Circle Observations in 1867.

Number and Date.	Magnitude.	Mean Right Ascension 1867. h.	m.	s.	No. of Wires.	Mean Polar Distance 1867. °	'	"	Observer.
37			*Anon.*						
Oct. 21	9·2	1	4	55·13	5	127	20	46·1	R
30	10·0		4	55·15	5		20	48·9	R
Nov. 12	9·0		4	55·14	6		20	49·7	M
38			*O. A. N.* 1303.						
Dec. 5	7·0	1	9	2·56	...	18	18	2·6	M
39			1 *Ursae Minoris α, Polaris.*						
Sep. 17	...	1	10	16·13	1	1	23	57·4	R
Nov. 11	...		10	17·01	1		23	59·4	M
15	...		10	14·50	2		23	59·1	M
16	...		10	17·51	3		23	58·6	R
21	...		10	17·48	3		23	57·7	R
			1 *Ursae Minoris α, Polaris.—s.p.*						
Apl. 24	...	1	10	15·90	1	1	24	0·3	R
25	...		10	15·93	3		23	59·6	R
May 4	...		10	16·84	1		24	0·2	M
7	..		10	18·34	1		24	1·3	M
11	..		10	16·23	1		23	58·8	M
June 4	...		10	17·61	1		24	0·0	M
5	...		10	16·38	1		24	0·1	M
40			*Anon.*						
Nov. 18	9·4	1	12	21·17	5	152	16	31·2	R
41			*Brisbane* 203.						
Nov. 2	6·9	1	15	7·20		120	46	24·0	M
42			45 *Ceti θ*[1]						
Oct. 11	...	1	17	22·51	...	98	52	11·4	M
21	...		17	22·54			52	13·9	R
30	...		17	22·57			52	15·0	R
Nov. 4	...		17	22·47			52	14·6	M
12	...		17	22·43	...		52	16·4	M
22			17	22·48	...		52	11·3	R
23			17	22·45	5		52	11·4	R
26			17	22·40	5		52	14·4	R
43			*Anon.*						
Sep. 17	...	1	19	0·18	5	151	19	27·8	R
44			*Taylor* 465.						
Nov. 1	7·0	1	19	38·91	...	91	5	28·3	M
45			99 *Piscium η*						
Oct. 21	...	1	24	22·15	...	75	20	26·9	R
29	...		24	22·17	...		20	27·6	R
Nov. 16	...		24	22·12	...		20	26·6	R
18	...		24	22·11	4		20	27·1	R
20	...		24	22·13	...		20	26·9	R
21	...		24	22·16	...		20	25·6	R
22	...		24	22·10	...		20	26·9	R
29	..		24	22·07	...		20	28·1	R
Dec. 2	...		24	22·05			20	27·5	M
5			24	22·20	4		20	29·6	M
46			*Taylor* 496.						
Sep. 17	8·0	1	25	49·01	4	140	35	15·8	R
47			*Anon.*						
Nov. 23	8·5	1	25	51·30	5	150	20	42·7	R
48			102 *Piscium π*						
Nov. 20	6·5	1	30	[illegible]		78	32	22·0	R
49			*Taylor* 525.						
Dec. 4	5·9	1	30	16·56	...	148	49	12·0	M
50			*Anon.*						
Nov. 16	9·2	1	31	30·88	...	130	51	18·9	R
Dec. 9	7·9		31	30·79	...		51	22·5	M
51			*Taylor* 539.						
Oct. 26	6·0	1	31	52·23	5	148	[illegible]	0·8	R

Separate Results of Madras Meridian Circle Observations in 1867.

Number and Date.	Magnitude.	Mean Right Ascension 1867. h.	m.	s.	No. of Wires.	Mean Polar Distance 1867. °	′	″	Observer.
52			*α Eridani, Achernar.*						
Oct. 19	...	1	32	45·62	5	147	54	50·0	R
29	...		32	45·76	...		54	50·3	R
53			106 *Piscium ν*						
Sep. 16	...	1	34	30·67	5	85	11	11·4	R
17	...		34	30·68	..		11	11·9	R
Nov. 2	...		34	30·77	...		11	11·6	M
18			34	30·73	3		11	10·8	R
22			34	30·68	...		11	11·4	R
23			34	30·63	...		11	11·7	R
26	...		34	30·63	5		11	10·9	R
Dec. 10	...		34	30·68	4		11	12·1	M
54			*Lacaille* 507.						
Dec. 2	5·9	1	37	14·77	4	151	27	35·6	M
55			110 *Piscium* ο						
Sep. 16	...	1	38	22·22	4	81	30	46·2	R
56			*Anon.*						
Oct. 26	9·2	1	38	39·77	5	152	1	58·3	R
57			*Anon.*						
Dec. 4	8·4	1	39	59·79	...	149	26	26·4	M
58			*Anon.*						
Oct. 19	9·7	1	40	30·45	...	128	36	9·3	R
Nov. 22	9·4		40	30·40	...		36	8·1	R
59			*Anon.*						
Dec. 14	9·3	1	46	16·08	...	148	57	8·6	M
60			*Lacaille* 550.						
Oct. 19	8·3	1	46	43·41	5	129	24	15·2	R
26	9·2		46	43·50	5		24	13·1	R
Dec. 6	7·9		46	43·38	...		24	15·6	M

Number and Date.	Magnitude.	Mean Right Ascension 1867. h.	m.	s.	No. of Wires.	Mean Polar Distance 1867. °	′	″	Observer.
61			6 *Arietis β.*						
Sep. 17	...	1	47	17·76	...	69	50	37·2	R
Oct. 15	...		47	17·78	...		50	38·0	M
Nov. 4	...		47	17·71	...		50	36·8	M
11	...		47	17·78	...		50	37·7	M
12	...		47	17·64	...		50	39·3	M
18	...		47	17·70			50	37·0	R
23	...		47	17·84	4		50	37·9	R
29	...		47	17·78	...		50	37·5	R
Dec. 2	...		47	17·85	...		50	37·0	M
5	...		47	17·78	...		50	37·8	M
62			*Anon.*						
Nov. 22	9·0	1	49	22·47	...	126	6	37·6	R
63			*Anon.*						
Dec. 10	9·0	1	52	24·32	5	145	47	31·3	M
64			*Anon.*						
Dec. 9	8·8	1	53	3·63	5	151	22	2·7	M
65			*Anon.*						
Oct. 26	9·5	1	56	14·36	...	129	57	29·6	R
Nov. 21	9·3		56	14·34	...		57	31·8	R
66			*Anon.*						
Nov. 22	9·3	1	56	14·62	...	129	26	22·5	R
67			13 *Arietis α*						
Sep. 16	...	1	59	40·80		67	10	6·2	R
Oct. 15	...		59	40·81	6		10	6·7	M
Nov. 11	...		59	40·73	...		10	5·6	M
12	...		59	40·81	...		10	5·8	M
23	...		59	40·90	...		10	6·6	R
29	...		59	40·84	...		10	5·5	R
Dec. 2	...		59	40·86	...		10	5·4	M
6			59	40·87	...		10	5·4	M
7	...		59	40·79	6		10	6·7	M
11			59	40·79			10	5·8	M

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68			*Anon.*						
Dec. 10	8·8	2	1	10·63	5	148	46	47·5	M
69			*Anon.*						
Dec. 9	9·3	2	6	11·21	...	151	53	15·8	M
70			*21 Arietis.*						
Dec. 16	6·7	2	8	10·30	...	65	34	31·9	R
71			*67 Ceti.*						
Sep. 16	...	2	10	21·01	...	97	2	11·3	R
Oct. 15	...		10	21·09	...		2	12·5	M
30	...		10	20·98	5		2	11·2	R
Nov. 13	...		10	21·00	...		2	11·3	M
15	...		10	21·01	...		2	12·5	M
Dec. 5	...		10	20·99	5		2	12·7	M
11	...		10	21·19	...		2	12·0	M
14	...		10	21·00	...		2	12·3	M
30	...		10	20·99	...		2	12·7	R
72			*68 Ceti o Var. 1, Mira.*						
Nov. 14	6·0	2	12	37·80	..	93	35	0·2	M
Dec. 2	6·0		12	37·61	.		35	0·2	M
73			*Anon.*						
Dec. 6	9·0	2	12	45·40	...	93	34	46·2	M
9	9·0		12	45·40	...		34	47·1	M
74			*Anon.*						
Dec. 18	8·0	2	15	44·70	...	152	35	1·1	R
75			*Anon.*						
Nov. 15	8·2	2	17	49·81	...	151	2	20·9	M
Dec. 20	8·8		17	49·28	5		2	19·4	R
76			*73 Ceti ξ²*						
Sep. 16	...	2	21	5·35	..	82	8	15·0	R
17			21	5·31	...		8	15·4	R
Oct. 15	...		21	5·47	..		8	16·0	M
Nov. 11	...		21	5·51			8	15·1	M
13	...		21	5·31	...		8	15·0	M
22	...		21	5·30	...		8	14·3	R
Dec. 2	...		21	5·34	4		8	16·1	M
4	...		21	5·31			8	15·6	M
5	...		21	5·23	...		8	16·8	M
7			21	5·40	...		8	15·0	M
10			21	5·31			8	15·8	M
11			21	5·36	...		8	15·3	M
14	...		21	5·29	...		8	15·0	M
18	...		21	5·41	...		8	14·5	R
21	...		21	5·37	...		8	16·4	R
30	.		21	5·38	5		8	15·6	R
77			*Lacaille 782.*						
Dec. 6	7·0	2	26	18·88	...	148	24	8·5	M
78			*Anon.*						
Nov. 21	8·8	2	27	30·81	5	147	11	23·5	R
Dec. 9	7·7		27	30·80	...		11	24·7	M
18	9·0		27	31·19	5		11	24·4	R
79			*Anon.*						
Nov. 23	9·1	2	28	15·95	...	129	45	40·5	R
Dec. 19	9·2		28	15·88	...		45	39·5	R
80			*Anon.*						
Nov. 14	9·7	2	30	51·09	5	147	34	6·1	M
81			*Anon.*						
Dec. 10	9·0	2	31	17·41	5	148	30	32·8	M
82			*Anon.*						
Nov. 22	9·8	2	31	30·43	...	151	38	36·3	R
Dec. 20	9·3		31	30·80	...		38	36·7	R

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83			*86 Ceti γ*						
Nov. 13	...	2	36	24·65	...	87	19	34·4	M
Dec. 4			36	24·64	...		19	34·8	M
5	.		36	24·66			19	34·6	M
6			36	24·58	...		19	35·1	M
7			36	24·60			19	34·6	M
14	...		36	24·68	...		19	35·7	M
16	...		36	24·61	...		19	33·4	R
18	...		36	24·65	...		19	34·7	R
20	...		36	24·63	.		19	35·8	R
84			*μ Ceti.*						
Sep. 17	...	2	37	45·27	...	80	26	56·7	R
Nov. 11			37	45·31	...		26	57·2	M
85			*Lacaille 868.*						
Dec. 2	7·9	2	38	38·12		147	12	34·4	M
86			*Taylor 940.*						
Dec. 19	8·0	2	40	22·35	...	128	43	44·9	R
24	7·7		40	22·29			43	46·3	R
87			*Anon.*						
Nov. 22	9·8	2	41	47·02		151	1	55·2	R
Dec. 16	9·5		41	47·46	5		1	57·4	R
18	9·6		41	47·38	2		1	55·8	R
88			*Taylor 969.*						
Dec. 4	7·3	2	45	47·52	4	74	3	41·6	M
7	7·0		45	47·45	6		3	41·5	M
89			*Taylor 978.*						
Dec. 9	6·9	2	47	26·48	6	147	44	26·7	M
14	6·9		47	26·36	5		44	27·7	M
90			*Lacaille 941.*						
Nov. 14	6·9	2	50	31·26	5	146	25	20·8	M
91			*Taylor 991.*						
Dec. 18	7·7	2	50	40·29	...	129	11	25·7	R
21	7·0		50	40·19	.		11	27·5	R
27	7·0		50	40·23	...		11	26·9	R
92			*Lacaille 969.*						
Nov. 21	7·9	2	54	58·74	5	144	13	12·4	R
Dec. 6	7·7		54	58·75	...		13	15·8	M
93			*42 Ceti α, Menkar.*						
Nov. 16	...	2	55	19·65	..	86	26	3·2	R
Dec. 16	.		55	19·72	...		26	3·1	R
27	...		55	19·79	...		26	2·7	R
30	...		55	19·67	...		26	2·6	R
94			*25 Persei ρ Var. 2.*						
Dec. 7	4·7	2	56	30·76	...	51	40	30·7	M
95			*26 Persei β Var. 1, Algol.*						
Nov. 5	4·9	2	59	31·25	...	49	33	34·3	M
Dec. 18	2·0		59	31·33	..		33	32·0	R
96			*Taylor 1047.*						
Dec. 21	6·5	2	59	55·67	5	151	19	19·0	R
97			*Anon.*						
Dec. 24	8·9	2	59	57·96	.	130	37	40·3	R
98			*Taylor 1052.*						
Jan. 8	6·1	3	0	29·38	5	150	13	19·1	M
99			*Taylor 1057.*						
Jan. 10	7·6	3	0	30·22	5	151	21	39·1	M
Dec. 16	8·3		0	30·29	3		21	37·8	R
100			*R. P. L. 33.*						
Dec. 14	—	3	1	29·76	5	5	34	6·0	M

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101 *Anon.*									
Dec. 24	9·3	3	2	16·73	.	130	38	13·4	R
102 *57 Arietis δ*									
Nov. 14	...	3	4	1·74	...	70	46	44·1	M
20	...		4	1·63	...		46	42·5	R
Dec. 9	...		4	1·58	...		46	43·5	M
19	...		4	1·70	...		46	43·5	R
20	...		4	1·66	...		46	44·2	R
27	...		4	1·57	...		46	44·1	R
103 *Taylor 1081.*									
Nov. 21	8·0	3	5	16·31	4	151	39	33·2	R
104 *Anon.*									
Dec. 21	9·0	3	6	15·33	...	128	31	22·9	R
105 *Anon.*									
Jan. 9	9·2	3	7	21·56	5	145	39	51·5	M
Dec. 18	9·5		7	21·30	5		39	50·7	R
106 *Taylor 1112.*									
Dec. 27	8·0	3	10	23·68	...	129	29	40·8	R
107 *Taylor 1113.*									
Dec. 19	8·9	3	10	24·90	...	131	43	29·5	R
108 *Taylor 1127.*									
Dec. 16	8·0	3	11	54·24	5	131	45	40·1	R
109 *Anon.*									
Dec. 24	9·3	3	12	29·94	...	130	9	53·0	R
110 *Anon.*									
Dec. 20	9·0	3	12	30·19	...	130	57	39·2	R
111 *Anon.*									
Dec. 27	8·5	3	12	40·75	...	129	27	1·9	R
112 *Anon.*									
Dec. 21	7·8	3	13	27·18	...	125	39	12·6	R
113 *33 Persei α*									
Dec. 30		3	14	50·42	...	40	36	54·8	R
114 *Anon.*									
Nov. 2	8·0	3	15	9·63	...	151	31	33·9	M
14	7·9		15	9·73	5		31	32·8	M
Dec. 18	8·8		15	9·51	5		31	33·6	R
115 *Anon.*									
Dec. 21	9·3	3	15	30·03	...	125	40	46·2	R
116 *Anon.*									
Dec. 19	9·6	3	16	58·05	...	127	6	21·5	R
117 *Anon.*									
Dec. 20	8·8	3	17	26·79	...	130	44	59·6	R
118 *Anon.*									
Nov. 21	9·0	3	20	22·02	...	149	18	15·3	R
119 *R Persei Var. 3.*									
Dec. 16	9·0	3	21	35·53	...	54	47	24·8	R
120 *Anon.*									
Dec. 24	9·3	3	23	21·70	...	130	9	39·0	R
121 *5 Tauri f*									
Sep. 17		3	23	31·86	...	77	31	16·3	R
Nov. 11			23	31·77	...		31	[illegible]	M

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122		*Anon.*			
Dec. 19	8·9	3 23 46·21	5	126 21 58·7	R
27	9·2	23 46·01	5	21 59·0	R
123		*Anon.*			
Dec. 21	8·5	3 24 56·51	...	129 1 6·5	R
124		*Lacaille* 1150.			
Jan. 8	7·0	3 28 30·98	...	152 27 40·0	M
125		*Lacaille* 1149.			
Jan. 7	7·0	3 28 41·15	5	150 18 32·0	M
126		*Anon.*			
Dec. 20	9·2	3 28 52·10	...	128 28 51·3	R
127		*Anon.*			
Dec. 16	7·0	3 30 17·03	...	131 50 23·7	R
128		*Anon.*			
Dec. 21	9·0	3 31 53·10	5	129 49 26·0	R
129		*Anon.*			
Dec. 30	8·0	3 32 20·09	...	131 20 9·3	R
130		*Lacaille* 1166.			
Dec. 21	8·8	3 33 8·55	...	129 12 37·6	R
131		*Anon.*			
Dec. 27	9·2	3 33 25·55	6	127 42 31·9	R
132		*Anon.*			
Dec. 20	10·0	3 33 43·93	6	128 29 29·2	R
133		*Anon.*			
Jan. 10	8·6	3 35 23·18	...	150 12 42·5	M
134		*Anon.*			
Dec. 21	9·7	3 35 53·51	...	129 10 3·0	R
135		*Anon.*			
Oct. 15	8·0	3 37 2·65	...	148 26 55·2	M
136		25 *Tauri* η, *Alcyone.*			
Jan. 8	...	3 39 34·99	5	66 18 32·6	M
11	...	39 34·81	6	18 31·7	M
Oct. 16	...	39 34·92	...	18 31·7	R
Nov. 12	...	39 35·08	6	18 31·6	M
14	...	39 34·86	...	18 32·8	M
20	...	39 34·80	...	18 31·0	R
Dec. 4	...	39 34·99	...	18 31·1	M
18	...	39 34·81	...	18 30·1	R
20	...	39 34·97	...	18 31·1	R
24	...	39 34·83	...	18 32·5	R
27	...	39 34·84	...	18 31·4	R
137		30 *Tauri* ε			
Sep. 17	...	3 40 58·73	...	79 16 5·7	R
138		*Lacaille* 1242.			
Dec. 2	7·2	3 41 49·31	6	147 4 42·1	M
139		*W. B. E. III.* 860.			
Dec. 21	8·0	3 45 29·11	...	76 1 4·6	R
27	8·6	45 29·09	5	1 4·8	M
140		*Anon.*			
Nov. 22	9·0	3 49 55·22	5	129 11 57·7	R
141		*Anon.*			
Oct. 15	8·0	3 50 53·94	6	147 28 42·7	M

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142		*34 Eridani γ*[1]							
Jan. 4	...	3	51	49·32	..	103	53	20·5	M
8	...		51	49·51	...		53	21·5	M
9	...		51	49·56	...		53	21·0	M
10	...		51	49·40	...		53	22·0	M
11	...		51	49·47	5		53	20·6	M
Nov. 14	..		51	49·36	5		53	21·8	M
Dec. 4	...		51	49·47	4		53	20·0	M
6	...		51	49·39	...		53	20·0	M
20	...		51	49·30	...		53	20·0	R
21			51	49·51	5		53	21·9	R
24	...		51	49·50	...		53	20·7	R
27	...		51	49·40	...		53	20·8	R
143		*35 Tauri λ Var.* 1.							
Jan. 16	...	3	53	18·89	...	77	53	17·2	R
Nov. 11	6·0		53	18·61	5		53	15·9	M
144		*Anon.*							
Jan. 15	8·5	3	53	45·06	5	143	7	51·5	R
145		*Anon.*							
Nov. 22	9·1	3	54	48·00	...	129	10	20·6	R
146		*Taylor* 1392.							
Dec. 7	6·9	3	55	51·94	5	147	28	52·5	M
147		*Lalande* 7581.							
Jan 7	8·2	3	58	23·91	..	74	51	50·8	M
148		*Lacaille* 1359.							
Jan. 8	8·3	4	0	4·87	..	147	49	36·8	M
9	8·6		0	4·84	5		49	36·0	M
149		*Lacaille* 1375.							
Jan. 10	7·7	4	2	58·06	..	148	50	18·9	M
14	8·3		2	58·01	...		50	16·7	R
150		*Lalande* 7764.							
Jan. 12	8·0	4	3	38·46	...	74	43	23·1	M
151		*Annon.*							
Nov. 21	9·5	4	3	46·18	5	146	55	55·9	R
152		*37 Eridani.*							
Dec. 12	...	4	3	53·37	...	97	16	25·7	M
153		*38 Eridani ο*[1]							
Nov. 14	...	4	5	22·44	...	97	11	12·6	M
Dec. 24	...		5	22·52	...		11	13·0	R
154		*Anon.*							
Jan. 4	8·1	4	9	32·86	...	129	18	21·7	M
155		*Taylor* 1489.							
Jan. 8	7·3	4	11	6·52	...	148	21	34·6	M
9	7·3		11	6·58	...		21	34·6	M
Dec. 13	6·9		11	6·34	5		21	34·7	M
156		*54 Tauri γ*							
Jan. 16	...	4	12	13·73	4	74	41	47·2	R
137		*Lacaille* 1418.							
Jan. 15	7·5	4	12	31·59	...	143	39	16·4	R
Dec. 14	7·4		12	31·62	..		39	15·1	M
158		*Anon.*							
Nov 16	9·5	4	12	35·04	...	129	10	21·0	R
Dec. 16	8·7		12	35·12	5		10	19·8	R
30	8·0		12	34·98	5		10	20·8	R
159		*Anon.*							
Jan. 5	8·0	4	13	58·03	...	70	51	3·6	R
7	8·5		13	54·01	..		51	1·0	M

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160		*U Tauri Var.* 7.			
Jan. 17	9·9	4 14 4·25	...	70 30 15·3	R
161		*Anon.*			
Nov. 16	10·0	4 15 20·86	5	120 7 25·1	M
162		*Anon.*			
Nov. 14	8·0	4 16 49·23	...	140 3 59·5	M
163		74 *Tauri* ε			
Jan. 4	...	4 20 51·23	...	71 7 3·0	M
8	...	20 51·04	...	7 4·2	M
9	...	20 51·07	...	7 3·9	M
10	...	20 51·10	...	7 3·8	M
11	...	20 51·20	...	7 3·3	M
12	...	20 51·20	...	7 3·0	M
14	...	20 51·24	...	7 3·3	R
Oct. 15	...	20 50·97	...	7 3·5	M
Dec. 9	...	20 51·19	...	7 3·4	M
16	...	20 51·07		7 3·1	R
19	...	20 51·16	...	7 2·2	R
164		*Lacaille* 1519.			
Jan. 7	7·0	4 25 37·48	5	153 5 43·2	M
165		*Lacaille* 1520.			
Jan. 10	7·7	4 26 44·46	...	147 29 39·6	M
166		*Anon.*			
Dec. 13	9·3	4 27 15·77	6	150 33 35·1	M
167		87 *Tauri* α, *Aldebaran.*			
Jan. 3	...	4 28 17·46	...	73 45 39·9	M
5	...	28 17·57	...	45 39·6	M
8		28 17·37	...	45 41·1	M
9		28 17·46	5	45 40·7	M
10		28 17·43	...	45 41·5	M
14		28 17·48	...	45 39·1	R
Jan. 15	...	4 28 17·40	...	73 45 39·8	R
Oct. 15	...	28 17·44		45 39·7	M
16	...	28 17·51	...	45 37·5	R
Dec. 9	...	28 17·47	...	45 40·4	M
12	...	28 17·56	...	45 40·3	M
21	...	28 17·41	...	45 39·9	R
168		*Anon.*			
Jan. 4	8·3	4 28 32·46	5	140 13 54·9	M
Nov. 14	8·1	28 32·50	...	13 53·0	R
169		*R Reticuli Var.* 1.			
Jan. 16	10·0	4 32 10·56	6	153 18 22·0	R
17	9·8	32 10·21	...	18 22·2	R
23	9·5	32 10·40	...	18 21·2	R
Feb. 1	8·6	32 10·31	4	18 21·4	M
15	7·7	32 10·49	...	18 19·3	M
Nov. 16	9·3	32 10·56	5	18 20·4	R
Dec. 14	7·8	32 10·14	...	18 20·0	M
170		*Lacaille* 1551.			
Jan. 24	6·0	4 32 11·35	5	153 5 32·9	R
171		*Anon.*			
Dec. 16	9·2	4 34 39·80	...	153 26 30·7	R
21	9·7	34 39·84	5	26 31·5	R
172		95 *Tauri.*			
Jan. 8	6·9	4 35 10·70	4	66 10 0·0	M
173		*Lacaille* 1567.			
Jan. 13	5·6	4 35 13·10	5	152 30 26·8	R
174		*Lacaille* 1566			
Jan. 10	6·9	4 35 45·99	...	148 28 6·2	R

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175			*Taylor* 1663.						
Jan. 5	7·7	4	36	54·96	5	138	47	48·4	M
7	7·0		36	55·19	5		47	49·2	M
9	7·7		36	55·23	...		47	48·8	M
176			*Anon.*						
Jan. 24	9·5	4	39	15·51	4	153	15	35·0	R
Dec. 24	9·6		39	15·47	5		15	33·7	R
177			*Anon.*						
Dec. 18	9·0	4	39	27·08	...	153	3	18·9	R
178			*Anon.*						
Jan. 14	9·5	4	43	26·60	...	130	40	53·3	R
17	9·5		43	26·75	5		40	53·7	R
179			*Lacaille* 1629.						
Jan. 4	6·4	4	43	43·66	...	153	28	14·6	M
180			*Anon.*						
Dec. 19	8·0	4	43	57·70	...	127	40	3·2	R
181			*Lacaille* 1625.						
Jan. 8	7·6	4	45	3·79	5	140	1	32·2	M
10	7·0		45	3·72	5		1	31·5	M
182			*Anon.*						
Jan. 9	9·0	4	45	34·96	...	129	24	45·1	M
183			*Lacaille* 1649.						
Dec. 11	6·9	4	46	55·70	5	150	29	19·6	M
16	6·8		46	55·66	...		29	20·2	R
184			3 *Aurigae* ι						
Jan. 3	...	4	48	20·16	5	57	2	52·6	M
5	...		48	20·12	...		2	52·2	M
7	...		48	20·08			2	53·3	M
11	...		48	20·09			2	52·7	M
12	...		48	20·12			2	51·7	M
15	...		48	20·02	5		2	53·8	R
Feb. 4	...		48	20·16	...		2	51·3	M
5	...		48	20·13	4		2	52·8	M
Oct. 16	...		48	20·06	...		2	49·6	R
Dec. 9	...		48	20·18			2	52·7	M
12	...		48	20·18			2	52·5	M
13	...		48	20·19	...		2	53·0	M
24	...		48	20·02	...		2	52·8	R
185			*Taylor* 1764.						
Dec. 10	6·4	4	50	27·56	...	129	50	30·8	M
19	6·2		50	27·68	...		50	37·8	R
186			*Taylor* 1780.						
Jan. 4	7·0	4	52	19·07	5	141	38	32·3	M
18	7·0		52	19·38	5		38	30·4	R
187			*R Leporis Var.* 1.						
Feb. 6	7·5	4	53	32·92	5	104	59	26·6	M
188			*Taylor* 1797.						
Jan 28	7·0	4	54	54·20	5	143	16	20·5	R
189			*Anon.*						
Jan. 5	8·7	4	56	2·40	...	130	17	24·5	M
190			*Lacaille* 1697.						
Jan. 9	8·0	4	56	57·29		129	6	56·3	M
191			11 *Orionis.*						
Jan 14	...	4	56	58·33	...	74	47	3·8	R
17			56	58·26	...		47	4·0	R

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Number and Date.	Magnitude.	Mean Right Ascension 1867. h.	m.	s.	No. of Wires.	Mean Polar Distance 1867. °	′	″	Observer.
192		*Taylor* 1811.							
Feb. 9	6·1	4	57	9·12	...	129	54	47·7	M
193		*Taylor* 1814.							
Dec. 11	8·8	4	57	48·40	5	148	41	41·8	M
18	9·6		57	48·33	...		41	38·8	R
194		2 *Leporis* ε							
Jan. 3	...	4	59	49·84	5	112	33	8·6	M
10	...		59	49·84	...		33	8·2	M
15	...		59	49·88	4		33	8·1	M
29	...		59	49·91	...		33	7·5	R
30	...		59	49·88	...		33	7·7	R
31	...		59	49·94	...		33	7·5	R
Dec. 13	...		59	49·73	...		33	7·2	M
19	...		59	49·74	...		33	8·1	R
195		*Anon.*							
Jan. 8	7·9	5	0	5·21	...	135	23	41·6	M
196		*Taylor* 1852.							
Dec. 12	6·9	5	2	13·63	...	144	35	17·2	M
197		*Lacaille* 1739.							
Dec. 10	8·0	5	2	54·84	...	146	57	39·7	M
198		*Anon.*							
Jan. 28	9·5	5	4	30·61	...	135	34	36·2	R
199		*Anon.*							
Jan. 16	9·3	5	6	29·35	...	86	34	28·7	R
17	9·5		6	29·15	...		34	29·4	R
18	9·0		6	29·24	...		34	29·5	R
23	9·7		6	29·12	5		34	27·8	R
Dec. 18	9·8		6	29·11	4		34	27·2	R
27	9·6		6	29·09			34	27·6	R
200		*R Aurigae Var.* 2.							
Dec. 18	8·7	5	6	33·84	4	36	34	3·8	R
201		13 *Aurigae* α, *Capella.*							
Jan. 7	...	5	6	52·11	...	44	8	29·4	M
Feb. 2	...		6	52·15	...		8	28·1	M
9	...		6	52·06	5		8	28·2	M
202		19 *Orionis* β, *Rigel.*							
Jan. 3		5	8	8·74	...	98	21	29·1	M
15	...		8	8·77	...		21	30·1	R
19	...		8	8·82	...		21	30·1	R
25	...		8	8·89	...		21	29·7	R
203		*Anon.*							
Jan. 9	9·0	5	8	32·01	5	150	36	9·1	M
204		*Anon.*							
Jan. 29	9·2	5	10	37·65	...	121	19	24·4	R
205		*Anon.*							
Jan. 28	9·7	5	12	3·30	5	129	46	35·9	R
206		*Anon.*							
Jan. 16	9·8	5	13	46·61	...	75	11	35·0	R
17	9·4		13	46·47	5		11	33·3	R
18	9·5		13	46·43	5		11	33·9	R
207		*Anon.*							
Jan. 29	9·3	5	15	1·34	5	121	18	28·6	R
Feb. 1	8·9		15	1·33	...		18	29·2	M
208		*Lacaille* 1822.							
Dec. 13	7·9	5	15	47·04	4	141	43	2·5	M
209		*Anon.*							
Jan. 25	9·3	5	16	12·40	5	131	44	7·8	R

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Number and Date.	Magnitude.	Mean Right Ascension 1867. h. m. s.	No. of Wires.	Mean Polar Distance 1867. ° ′ ″	Observer.
210		*Lacaille* 1824.			
Feb. 13	7·4	5 17 4·49	...	129 37 50·4	M
211		*Anon.*			
Jan. 28	7·0	5 17 39·95	5	153 7 11·2	R
212		112 *Tauri* β			
Jan. 4	..	5 17 53·16	...	61 30 31·6	M
14	...	17 53·10	...	30 30·6	R
19	...	17 53·07	.	30 30·3	R
23	...	17 53·11	5	30 31·6	R
30	...	17 53·17	...	30 31·1	R
31	...	17 53·15	..	30 31·4	R
Feb. 2	...	17 53·31	...	30 30·6	M
4	...	17 53·05	...	30 29·7	M
11	.	17 53·15	5	30 31·1	M
12	.	17 53·23	...	30 31·2	M
14	...	17 53·11	...	30 30·9	M
213		*Anon.*			
Jan. 29	9·0	5 18 25·29	5	121 28 46·4	R
Dec. 18	9·6	18 25·33	...	28 45·2	R
214		*R. P. L.* 40.			
Dec. 19	...	5 19 40·93	3	4 32 51·3	R
		R. P. L. 40.—*s.p.*			
July 5		5 19 40·95	3	4 32 55·1	R
215		*Anon.*			
Jan. 26	9·2	5 22 36·64	5	152 41 55·5	R
216		*Anon.*			
Feb. 6	7·1	5 23 31·99	...	151 13 17·3	M
217		λ *Doradûs.*			
Jan. 24	6·0	5 24 23·14	5	149 1 33·1	R
218		119 *Tauri.*			
Dec. 10	...	5 24 24·97	...	71 30 23·4	M
11	8·8	24 25·13	5	30 29·2	M
219		34 *Orionis* δ *Var.* 1.			
Jan. 5	.	5 25 12·73	...	90 24 2·1	M
14	...	25 12·72	...	24 2·1	R
16	...	25 12·82	...	24 3·1	R
17	...	25 12·82	...	24 2·8	R
23	...	25 12·77	...	24 2·8	R
28	..	25 12·66	...	24 2·1	R
Feb. 2	...	25 12·76		24 1·7	M
5	...	25 12·81	5	24 2·1	M
Dec. 13	...	25 12·63	...	24 1·4	M
220		*Anon.*			
Jan. 29	9·5	5 26 12·32	...	121 24 17·1	R
221		11 *Leporis* α			
Jan. 18	...	5 26 51·91	...	107 55 12·5	R
19	..	26 51·86	...	55 11·7	R
30	...	26 51·80	...	55 12·5	R
31	...	26 51·77	...	55 12·2	R
Dec. 12	...	26 51·74	...	55 11·5	M
222		*Taylor* 2037.			
Jan. 25	8·0	5 28 3·53	5	151 55 30·6	R
Feb. 1	7·6	28 3·31	5	55 31·2	M
223		*Lalande* 10532.			
Feb. 4	8·2	5 29 19·34	5	78 15 4·2	M
224		46 *Orionis* ε			
Jan. 16	...	5 29 28·08		91 17 24·6	R
17	...	29 27·97	...	17 24·3	R
23	...	29 27·98	...	17 23·4	R
26	...	29 27·91	...	17 23·5	R

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Number and Date.	Magnitude.	Mean Right Ascension 1867. h.	m.	s.	No. of Wires.	Mean Polar Distance 1867. °	′	″	Observer.
225				123 *Tauri* 5					
Nov. 11	...	5	29	41·88	..	68	56	31·2	M
Dec. 10	...		29	41·95	4		56	29·6	M
226				*Lalande* 10607.					
Jan. 4	7·0	5	31	27·78	4	68	18	56·2	M
8	7·0		31	27·95	...		18	56·7	M
10	7·1		31	27·85	4		18	56·8	M
227				*Anon.*					
Dec. 20	9·3	5	32	5·08	5	123	55	19·2	R
228				*Anon.*					
Jan. 24	9·0	5	32	14·88	5	123	54	10·9	R
28	8·5		32	14·79	...		54	9·7	R
Dec. 20	8·9		32	14·37	5		54	11·4	R
229				*Lacaille* 1949.					
Jan. 14	6·5	5	32	16·38	5	131	18	50·9	R
230				*Lacaille* 1916.					
Jan. 29	7·0	5	32	29·28	5	121	8	33·9	R
Dec. 18	7·0		32	29·32	..		8	32·5	R
231				*α Columbae.*					
Jan. 5	...	5	34	50·16	...	124	8	49·7	M
7	...		34	50·18	...		8	50·7	M
16	...		34	50·01	...		8	50·5	R
17	...		34	50·05	...		8	48·9	R
18	...		34	50·12	...		8	48·6	R
Feb. 2	...		34	49·93	...		8	48·2	M
3	...		34	50·11	...		8	49·5	M
9	...		34	50·21	...		8	48·7	M
232				*Taylor* 2113.					
Feb. 6	7·4	5	35	13·88	5	130	45	27·9	M
233				*Lalande* 10849.					
Jan. 25	8·0	5	37	54·53	...	68	19	40·0	R
26	8·8		37	54·51	...		19	37·5	R
Feb. 1	7·2		37	54·58	..		19	37·9	M
234				*Anon.*					
Feb. 4	8·0	5	39	20·86	...	79	0	9·5	M
Dec. 21	7·5		39	20·71	...		0	9·8	R
235				*Taylor* 2145.					
Jan. 28	6·5	5	39	54·82	5	135	53	43·0	R
236				*Anon.*					
Jan. 29	9·3	5	40	37·23	4	120	57	54·9	R
237				*W. B. E. V.* 1011.					
Nov. 14	8·5	5	40	38·09	4	78	57	37·6	M
238				*Taylor* 2184.					
Jan. 25	9·0	5	43	56·51	5	150	46	22·0	R
239				*Anon.*					
Jan. 26	9·3	5	44	49·03	5	137	10	16·1	R
240				*Lalande* 11098.					
Jan. 5	7·9	5	45	16·78	5	68	29	36·7	M
23	8·6		45	16·76	.		29	37·3	R
24	8·8		45	16·88	...		29	36·7	R
241				*Lacaille* 2036.					
Jan. 28	8·8	5	46	26·59	...	129	47	11·3	R
Feb. 8	7·9		46	26·71	...		47	10·9	M
11	8·0		46	26·61	...		47	11·0	M
242				54 *Orionis* χ^1					
Feb. 14	...	5	46	30·31	..	69	43	8·0	M

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Number and Date.	Magnitude.	Mean Right Ascension 1867. h.	m.	s.	No. of Wires.	Mean Polar Distance 1867. °	′	″	Observer.
243				*Anon.*					
Feb. 6	8·0	5	47	6·61	5	135	46	48·5	x
244				*Lalande* 11166.					
Jan. 4	7·8	5	47	11·54	...	78	32	35·0	x
9	8·0		47	11·57	...		32	35·0	x
245		58 *Orionis* α *Var.* 2, *Betelgeux.*							
Jan. 7	.	5	47	58·31	...	82	37	14·2	x
18			47	58·43	...		37	13·6	a
Feb. 5	..		47	58·81	...		37	13·7	x
7	...		47	58·26	5		37	13·7	x
9	..		47	58·23	4		37	15·7	x
12	...		47	58·29	...		37	13·4	x
13	..		47	58·35	...		37	14·4	x
246				*Anon.*					
Jan. 29	9·0	5	49	22·30	5	121	9	50·3	a
247				*Anon.*					
Jan. 26	9·8	5	50	19·08	...	137	10	17·9	a
248				*Lacaille* 2073.					
Jan. 23	7·0	5	50	35·57	5	137	12	36·7	a
249				*Anon.*					
Dec. 13	9·0	5	51	15·48	6	141	51	59·1	x
250				*Lalande* 11293.					
Jan. 24	8·0	5	51	40·68	...	68	34	35·5	a
26	7·3		51	40·63	...		34	35·9	a
Feb. 1	7·1		51	40·58	...		34	33·6	x
Dec. 11	7·1		51	40·42	5		34	34·0	x
251				*Anon.*					
Jan. 28	8·3	5	53	7·51	...	130	34	57·2	a
252				*Anon.*					
Jan. 26	...	5	54	39·70	..	137	45	14·2	a
253				*Anon.*					
Jan. 29	9·6	5	54	53·65	5	121	30	57·8	a
254				*Lalande* 11455.					
Jan. 5	7·1	5	55	59·40	...	78	19	12·5	x
Feb. 2	7·7		55	59·45	...		19	11·6	x
255				*Anon.*					
Jan. 23	9·2	9	57	4·30	.	136	1	0·7	a
256				*Taylor* 2301.					
Feb. 8	7·0	5	58	32·71	..	148	6	18·3	x
257				*Taylor* 2310.					
Jan. 28	6·7	5	59	39·71	...	150	29	7·4	a
Feb. 13	6·6		59	40·05	...		29	6·0	x
258				67 *Orionis* ν					
Jan. 4	...	5	59	58·68	..	75	13	7·6	x
9	...		59	58·65	5		13	8·1	x
21	...		59	58·81	...		13	7·9	a
25			59	58·66	...		13	7·9	a
Feb. 4			59	58·80			13	6·7	x
7			59	58·67	...		13	6·8	x
11			59	58·57	...		13	8·1	x
12	..		59	58·72			13	8·0	x
15	...		59	58·65			13	7·5	x
259				*Anon.*					
Jan. 29	9·8	6	0	5·40	5	121	30	53·3	a
260				*Taylor* 2321.					
Dec. 13	6·9	6	0	51·72	6	141	5	27·0	x

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261			*Anon.*						
Feb. 6	7·0	6	0	55·69	5	137	28	33·1	M
262			*Lalande* 11732.						
Feb. 1	8·0	6	3	32·73	5	77	58	54·9	M
4	7·9		3	32·74	4		58	53·3	M
263			*Anon.*						
Dec. 27	9·2	6	3	44·89	5	129	58	12·0	R
264			*Anon.*						
Jan. 5	8·1	6	5	47·78	...	77	51	30·8	M
265			*Anon.*						
Jan. 29	9·0	6	6	33·10	...	121	29	26·3	R
266			7 *Geminorum* η *Var.* 6.						
Jan. 17	...	6	6	51·00	...	67	27	28·3	R
18	...		6	50·80	5		27	30·1	R
267			*Anon.*						
Jan. 28	9·7	6	7	29·89	...	151	18	28·9	R
268			*Anon.*						
Jan. 24	9·5	6	7	45·69	5	137	6	25·1	R
269			*Anon.*						
Jan. 25	8·3	6	8	55·46	...	131	54	48·8	R
Feb. 8	7·9		8	55·54	6		54	49·3	M
270			*Anon.*						
Jan. 7	9·3	6	9	32·94	6	131	50	55·3	M
11	9·0		9	32·84	...		50	54·6	M
271			*Anon.*						
Jan. 9	7·6	6	11	4·13	5	149	53	54·8	M
272			*Anon.*						
Jan. 29	8·8	6	11	50·21	...	131	31	31·1	R
273			*Lalande* 12053						
Feb. 2	8·0	6	12	34·79	...	68	51	18·8	M
274			*Lalande* 12094						
Jan. 31	9·3	6	13	45·87	...	68	42	4·8	R
275			*Lalande* 12120						
Feb. 11	7·1	6	14	15·80	...	77	4	47·6	M
13	7·4		14	15·84	5		4	48·7	M
276			13 *Geminorum* μ						
Jan. 17	...	6	14	54·88	...	67	25	18·6	R
18	...		14	54·81	...		25	15·0	R
23	...		14	54·89	...		25	18·7	R
Feb. 1	...		14	54·82	...		25	17·6	M
9	...		14	54·89	6		25	16·5	M
12	...		14	54·74	...		25	15·6	M
Dec. 11	...		14	54·68	...		25	17·4	M
12	...		14	54·87	...		25	19·8	M
277			*Lalande* 12155.						
Feb. 14	6·9	6	15	8·51	5	77	22	3·7	M
Nov. 14	7·2		15	8·73	...		22	3·8	M
278			*Taylor* 2474.						
Jan. 29	6·0	6	18	15·86	...	121	43	25·3	R
Feb. 8	6·5		18	16·01	...		43	27·3	M
279			*Lacaille* 2286.						
Jan. 11	7·0	6	18	40·51	6	153	45	51·0	M
280			*Anon.*						
Jan. 19	8·7	6	19	51·11	5	64	29	50·9	R

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Number and Date.	Magnitude.	Mean Right Ascension 1867. h.	m.	s.	No. of Wires.	Mean Polar Distance 1867. °	'	"	Observer.
281		*α Argûs, Canopus.*							
Feb. 23	...	6	21	0·05	...	142	37	26·1	R
Dec. 16	...		21	0·04	...		37	26·8	R
282		*Anon.*							
Jan. 5	9·0	6	22	2·33	...	129	36	37·1	M
283		*Lacaille* 2321.							
Dec. 11	7·0	6	23	30·63	5	153	20	55·6	M
284		*Taylor* 2524.							
Feb. 4	7·7	6	23	32·93	...	131	3	10·7	M
285		*Taylor* 2529.							
Feb. 7	7·0	6	24	27·02	...	130	59	24·7	M
11	6·9		24	27·12	...		59	23·6	M
286		*Taylor* 2541.							
Feb. 13	6·0	6	24	58·20	...	147	55	6·7	M
287		*Anon.*							
Jan. 21	9·2	6	27	31·43	...	128	46	6·1	R
288		*Anon.*							
Dec. 16	9·5	6	27	51·36	4	131	5	25·5	R
289		*Anon.*							
Jan. 29	6·3	6	28	29·28	...	122	7	37·9	R
Feb. 2	6·9		28	29·16	...		7	37·8	M
290		*Anon.*							
Feb. 8	8·0	6	28	41·14	4	151	10	10·6	M
291		*Taylor* 2589.							
Feb. 12	6·9	6	29	51·53	5	151	46	57·0	M
292		24 *Geminorum γ*							
Jan. 21	...	6	30	1·61	...	73	29	25·1	R
Feb. 1	...		30	1·73	...		29	23·7	M
6	...		30	1·65	...		29	25·5	M
14	...		30	1·72	...		29	26·6	M
15	...		30	1·73	...		29	25·3	M
16	...		30	1·81	5		29	24·9	R
293		*Anon.*							
Mar. 2	8·9	6	30	48·10	...	130	55	23·0	M
294		*Anon.*							
Jan. 29	9·5	6	31	7·71	...	122	6	52·2	R
295		*Anon.*							
Jan. 3	8·0	6	31	32·56	...	130	56	52·4	M
296		*R Monocerotis Var.* 1.							
Feb 23	10·3	6	31	54·16	5	81	8	53·5	R
297		*Anon.*							
Jan. 21	8·9	6	33	59·67	...	130	54	26·9	R
298		*Anon.*							
Jan. 5	7·9	6	34	36·46	5	130	28	6·4	M
299		27 *Geminorum ε*							
Feb. 6	...	6	35	45·00	...	64	44	27·3	M
7	...		35	41·93	...		44	26·5	M
9	...		35	41·87	...		44	27·4	M
11	...		35	41·93	...		44	27·1	M
12	...		35	41·90	4		44	26·3	M
13	...		35	41·84	5		44	27·8	M
14	...		35	41·94	...		44	27·6	M
15	...		35	41·96	...		44	27·0	M
300		*Anon.*							
Jan. 11	8·0	6	35	53·12	...	130	36	13·7	M

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Number and Date.	Magnitude.	Mean Right Ascension 1867. h m s	No. of Wires.	Mean Polar Distance 1867. ° ′ ″	Observer.
301		*51 Cephei Hev.*			
Jan. 7		6 37 10·18	3	2 45 27·6	M
14	...	37 10·30	3	45 29·0	R
23		37 10·14	3	45 28·2	R
Feb. 23	–	37 10·81	3	45 27·5	R
27		37 9·91	2	45 27·3	R
Mar. 1		37 10·55	3	45 29·0	M
7	...	37 8·68	1	45 27·1	M
		51 Cephei Hev.—s.p.			
July 4	–	6 37 9·93	3	2 45 29·4	R
Aug. 6	–	37 10·00	2	45 28·9	M
27	–	37 8·90	2	45 29·5	R
302		*31 Geminorum ξ*			
Nov. 14		6 37 49·35	...	76 57 50·8	M
303		*Lacaille 2451.*			
Jan. 19	8·2	6 38 11·29	–	155 57 53·7	R
304		*9 Canis Majoris α, Sirius.*			
Jan. 12		6 39 17·04	–	106 32 9·3	M
24	–	39 17·08	5	32 11·7	R
305		*Anon.*			
Jan. 25	9·0	6 40 30·52	3	154 13 40·2	R
306		*Anon.*			
Jan. 26	8·5	6 42 29·38	4	130 57 8·5	R
Mar. 6	8·6	42 29·47	...	57 9·6	M
307		*Anon.*			
Jan. 26	9·3	6 42 43·10	5	130 58 16·2	R
308		*Anon.*			
Feb. 26	7·7	6 43 47·07	5	128 30 36·6	R
Mar. 5	7·7	43 47·01	–	30 35·3	M
8	7·4	43 46·86	–	30 35·4	M

Number and Date.	Magnitude.	Mean Right Ascension 1867. h m s	No. of Wires.	Mean Polar Distance 1867. ° ′ ″	Observer.
309		*Anon.*			
Jan. 24	9·5	6 45 5·63	...	106 32 36·5	R
310		*Lalande 13279.*			
Jan. 18	...	6 46 36·21	...	65 35 21·6	R
19	7·7	46 36·09	4	35 20·2	R
21	8·0	46 36·16	...	35 20·2	R
311		*Lalande 13313.*			
Jan. 3	8·0	6 47 30·90	..	65 49 38·3	M
Feb. 22	8·9	47 31·04	...	49 37·1	R
Dec. 17	8·5	47 31·10	5	49 38·3	R
312		*Anon.*			
Feb. 23	8·2	6 48 34·87	..	128 49 36·5	R
313		*39 Geminorum.*			
Jan. 25	–	6 50 35·53	–	63 44 51·4	R
28	...	50 35·54	.	44 52·2	R
29	...	50 35·36	5	44 52·0	R
Feb. 1	...	50 35·61	3	44 51·5	M
2	...	50 35·54	–	44 53·6	M
314		*Lacaille 2538.*			
Jan. 11	6·4	6 51 25·22	4	114 47 46·7	M
Mar. 7	7·7	51 25·20	...	47 47·3	M
315		*Anon.*			
Jan. 21	9·5	6 52 48·96	5	152 54 32·7	R
316		*21 Canis Majoris ε*			
Jan. 24	–	6 53 23·94	..	118 47 36·2	R
26	–	53 23·94	–	47 35·7	R
Feb. 18	.	53 23·86	–	47 35·5	R
Mar. 8		53 23·82		47 36·0	M
317		*Taylor 2805.*			
Jan. 12	8·0	6 56 11·99	6	60 12 42·8	M

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Number and Date.	Magnitude.	Mean Right Ascension 1867. h.	m.	s.	No. of Wires.	Mean Polar Distance 1867. °	′	″	Observer.
318	*43 Geminorum 3² Var. 1.*								
Jan. 19		6	56	13·10	...	69	14	17·0	R
Nov. 14	...		56	12·77	...		14	15·0	M
319	*Anon.*								
Jan. 23	9·5	6	56	27·29	5	129	17	33·8	R
320	*Taylor 2825.*								
Jan. 15	9·0	6	56	54·09	...	150	54	54·8	R
321	*23 Canis Majoris γ*								
Jan. 25	...	6	57	44·45	...	105	26	21·5	R
26	...		57	44·52	..		26	21·0	R
Feb. 16	...		57	44·40	...		26	21·0	R
18	...		57	44·39	...		26	19·8	R
Dec. 17	...		57	44·44	...		26	21·0	R
322	*Lalande 13707.*								
Jan. 3	8·1	6	58	17·09	4	67	6	54·1	M
Feb. 23	8·0		58	17·08	...		6	53·8	R
26	8·0		58	16·95	5		6	54·5	R
323	*W. B. N. VI. 1762.*								
Jan. 17	9·5	6	58	36·40	...	70	55	5·6	R
21	9·3		58	36·49	...		55	6·0	M
Mar. 1	9·3		58	36·36	...		55	4·2	M
324	*Taylor 2840.*								
Mar. 2	8·2	6	59	5·30	4	150	57	8·2	M
9	8·0		59	5·33	..		57	5·6	M
325	*47 Geminorum.*								
Jan. 19	...	7	3	7·98	...	62	55	41·6	R
21	...		3	8·00	..		55	40·8	R
23	...		3	8·05	..		55	41·1	R
Feb. 4	...		3	7·79	5		55	42·0	M
5	...		3	7·96	.		55	40·8	M
6	...		3	8·00			55	41·1	M
7	..		3	8·01	.		55	40·9	M
Feb. 8	..	7	3	8·02	.	62	55	41·9	M
11	...		3	8·01	...		55	42·2	M
12	...		3	7·98	4		55	41·8	M
13	...		3	8·09	.		55	42·5	M
14	...		3	7·96	...		55	41·9	M
326	*Anon.*								
Feb. 26	9·5	7	5	4·24	5	153	52	24·4	R
327	*Taylor 2899.*								
Feb. 18	8·9	7	5	53·57	...	130	9	5·6	R
Mar. 12	8·0		5	53·66	6		9	7·0	M
328	*Anon.*								
Mar. 2	8·0	7	8	11·34	4	152	5	19·0	M
329	*Anon.*								
Feb. 11	8·9	7	8	59·68	...	130	17	37·4	M
330	*55 Geminorum δ*								
Jan. 16	...	7	12	10·70	...	67	46	33·7	R
19	...		12	10·67	...		46	34·3	R
28	...		12	10·77	...		46	34·9	R
29	...		12	10·80	...		46	33·3	R
Feb. 7	...		12	10·77	...		46	33·9	M
8			12	10·56	...		46	32·9	M
13	...		12	10·71	...		46	33·9	M
14	...		12	10·67	...		46	33·6	M
16	...		12	10·68	...		46	34·5	R
26	...		12	10·61	...		46	33·2	R
Mar. 6	..		12	10·73	...		46	31·8	M
15	...		12	10·58	...		46	32·6	M
Dec. 12	...		12	10·73	...		46	31·4	M
17	...		12	10·62	4		46	33·8	R
331	*Anon*								
Mar 11	[illegible]	7	12	37·96	...	133	49	14·7	M

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Number and Date.	Magnitude.	Mean Right Ascension 1867. h. m. s.	No. of Wires.	Mean Polar Distance 1867. ° ′ ″	Observer.
332		*57 Geminorum* A			
Jan. 7	...	7 15 21·91	...	61 41 50·5	M
8	...	15 21·72	5	41 50·1	M
9	...	15 21·91	...	41 50·0	M
10	...	15 21·93	...	41 50·1	M
11	...	15 21·79	...	41 51·3	M
12	...	15 21·83	...	41 49·8	M
15	...	15 21·79	...	41 50·9	R
23	...	15 21·83	...	41 49·8	R
24	...	15 21·80	...	41 50·0	R
25	...	15 21·66	...	41 51·0	R
28	...	15 21·92	...	41 51·1	R
29	...	15 21·79	...	41 51·8	R
31	...	15 21·80	5	41 51·1	R
Feb. 1	...	15 21·84	6	41 50·1	M
2	...	15 21·98	...	41 49·3	M
333		*Taylor* 3005.			
Mar. 1	8·0	7 15 31·98	...	149 1 14·7	M
334		*Lacaille* 2805.			
Feb. 15	7·8	7 17 22·34	...	153 8 28·1	M
335		*Anon.*			
Mar. 5	9·0	7 17 43·06	...	129 46 30·4	M
336		*Anon.*			
Mar. 2	9·0	7 18 10·22	6	129 42 51·2	M
337		*Anon.*			
Jan. 21	10·0	7 18 57·24	...	60 15 47·5	R
338		*Lacaille* 2807.			
Mar. 7	7·8	7 19 36·96	...	142 15 44·2	M
339		*Anon.*			
Feb. 26	9·0	7 19 42·63	5	128 8 20·2	R
340		*Anon.*			
Mar. 15	9·5	7 19 51·16	6	152 35 56·8	M
341		*Anon.*			
Mar. 8	7·9	7 25 32·94	...	129 18 27·7	M
342		*68 Geminorum.*			
Dec. 12	...	7 26 0·91	...	73 53 27·8	M
13	...	26 0·63	...	53 25·9	M
343		*66 Geminorum* α², *Castor.*			
Jan. 29	...	7 26 6·61	...	57 49 23·0	R
Feb. 11	...	26 6·66	...	49 23·7	M
13	...	26 6·56	...	49 24·8	M
14	...	26 6·65	...	49 21·6	M
15	...	26 6·66	...	49 23·2	M
23	...	26 6·66	...	49 23·2	R
27	...	26 6·68	...	49 24·1	R
Mar. 1	...	26 6·57	...	49 24·4	M
2	...	26 6·67	...	49 23·9	M
6	...	26 6·62	...	49 23·4	M
9	...	26 6·59	...	49 23·9	M
Dec. 17	...	26 6·68	...	49 22·3	R
344		*69 Geminorum* υ			
Jan. 16	...	7 27 43·45	...	62 48 42·4	R
17	...	27 43·46	...	48 42·7	R
18	...	27 43·30	...	48 42·9	R
21	...	27 43·43	...	48 42·1	R
345		*Anon.*			
Mar. 11	7·9	7 30 41·50	...	121 54 50·8	M
346		*Taylor* 3133.			
Jan. 4	6·7	7 31 9·57	...	65 28 44·9	M
5	6·7	31 9·77	...	28 43·9	M
347		*Anon.*			
Mar. 7	8·7	7 31 10·92	...	131 10 58·2	M

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Number and Date.	Magnitude.	Mean Right Ascension 1867. h. m. s.	No. of Wires.	Mean Polar Distance 1867. ° ′ ″	Observer.
348		*74 Geminorum f*			
Mar. 15	..	7 31 47·76	...	72 0 52·3	M
349		*10 Canis Minoris α, Procyon.*			
Jan. 21	...	7 32 20·27	5	84 26 13·6	R
29	...	32 20·25	...	26 13·0	R
Feb. 6	...	32 20·26	...	26 11·9	M
8	...	32 20·38	...	26 11·9	M
11	...	32 20·33	...	26 13·1	M
13	..	32 20·23	5	26 13·6	M
15	...	32 20·26	4	26 13·6	M
18	...	32 20·29	...	26 13·7	R
25	...	32 20·25	...	26 12·4	R
27	...	32 20·29	...	26 12·3	R
Mar. 1	...	32 20·25	...	26 12·9	M
2	...	32 20·29	...	26 12·4	M
5	...	32 20·25	...	26 12·7	M
6	...	32 20·23	...	26 12·7	M
9	...	32 20·31	...	26 11·9	M
Dec. 17	...	32 20·36	...	26 14·2	R
350		*Anon.*			
Feb. 23	9·9	7 34 14·48	...	68 9 13·3	R
26	9·0	34 14·62	..	9 14·9	R
351		*Anon.*			
Feb. 22	10·0	7 34 52·24	...	68 10 13·2	R
26	9·8	34 52·32	3	10 13·4	R
352		*Anon.*			
Jan. 15	9·0	7 35 13·72	5	129 58 16·0	R
353		*Anon.*			
Mar. 12	8·0	7 35 21·94	5	153 0 1·9	M
354		*76 Geminorum c*			
Jan. 10	6·2	7 35 59·98	.	63 54 8·4	M
11	...	35 59·68	3	54 7·8	M
13	...	35 59·80	4	54 7·3	M
355		*Anon.*			
Jan. 15	8·0	7 36 50·80	.	129 57 41·8	R
356		*Anon.*			
Mar. 13	7·6	7 36 53·55		130 51 17·3	M
357		*78 Geminorum β, Pollux.*			
Jan. 21	...	7 37 10·43	...	61 39 21·9	R
Feb. 1	...	37 10·43	...	39 21·3	M
6	...	37 10·47	5	39 20·2	M
8	...	37 10·54	4	39 20·7	M
18	...	37 10·42	...	39 21·4	R
25	...	37 10·39	...	39 19·7	R
27	...	37 10·31	...	39 20·6	R
Mar. 1	...	37 10·40	...	39 21·5	M
2	...	37 10·40	5	39 20·8	M
5	..	37 10·39	5	39 20·6	M
9	...	37 10·33	...	39 21·3	M
358		*Anon.*			
Jan. 26	10·3	7 37 32·39	6	68 30 8·0	R
359		*Anon.*			
Mar. 7	8·2	7 37 39·50	3	130 58 31·3	M
360		*Anon.*			
Feb. 7	7·2	7 39 11·54	..	131 9 2·9	M
Mar. 8	7·0	39 11·60		9 2·9	M
361		*Lacaille* 2971.			
Mar. 11	6·9	7 40 22·52	..	143 55 24·4	M
362		*Anon.*			
Jan. 21	9·3	7 42 12·31	5	152 58 22·3	R
363		*Anon.*			
Feb. 26	9·2	7 44 16·12	...	130 56 27·3	R

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Number and Date.	Magnitude.	Mean Right Ascension 1867. h. m. s.	No. of Wires.	Mean Polar Distance 1867. ° ′ ″	Observer.
364		*R. P. L.* 49.			
Mar. 6	...	7 44 40·44	3	5 34 7·8	M
365		83 *Geminorum* φ			
Jan. 7	...	7 45 21·48	...	63 53 35·6	M
8	...	45 21·34	...	53 35·6	M
9	...	45 21·30	...	53 35·2	M
366		*Brisbane* 1791.			
Jan. 22	8·0	7 46 22·47	..	144 25 7·1	R
367		*Taylor* 3293.			
Mar. 13	7·7	7 46 35·44	5	144 41 33·6	M
4	6·8	46 35·49	...	41 34·5	M
368		*Anon.*			
Mar. 12	8·1	7 47 8·14	4	153 21 15·1	M
369		*U Geminorum Var.* 5.			
Dec. 16	10·2	7 47 12·75	5	67 39 6·8	R
370		*Anon.*			
Mar. 16	9·5	7 48 48·96	4	129 55 18·4	R
371		1 *Cancri.*			
Feb. 15	...	7 49 26·33	5	73 51 26·2	M
372		*Taylor* 3323.			
Mar. 11	7·0	7 49 51·26	5	140 16 9·5	M
373		*W. B. N. VII.* 1473.			
Jan. 21	...	7 53 42·30	...	64 32 51·8	R
24	7·2	53 42·24		32 51·4	R
26	7·3	53 42·28		32 51·8	R
374		*Anon.*			
Mar. 5	8·8	7 53 47·19	...	149 53 19·0	M
375		6 *Cancri.*			
Feb. 6	..	7 55 20·77	...	61 50 9·1	M
8	..	55 20·69	...	50 8·2	M
Mar. 4	..	55 20·73	5	50 8·9	R
376		8 *Cancri.*			
Feb. 16	...	7 57 30·85	...	76 30 20·0	R
377		*Anon.*			
Jan. 22	9·0	7 57 41·32	5	156 24 39·5	R
378		*Anon.*			
Jan. 24	10·2	8 0 19·60	4	73 23 23·3	R
379		*Anon.*			
Mar. 11	8·0	8 1 25·93	...	150 31 52·5	M
12	7·9	1 25·89	...	31 53·3	M
380		15 *Argûs.*			
Feb. 4	...	8 1 52·77	...	113 55 23·5	M
22	...	1 52·80	...	55 23·0	R
23	...	1 52·83	...	55 22·6	R
25	...	1 52·84	...	55 23·3	R
26	...	1 52·93	...	55 22·4	R
27	...	1 52·84	...	55 22·0	R
Mar. 8	...	1 52·98	...	55 22·6	M
9	...	1 52·87	4	55 22·8	M
13	...	1 52·81	...	55 22·7	M
14	...	1 52·83	...	55 23·3	M
381		*Anon.*			
Jan. 31	9·2	8 3 13·48	5	128 39 53·3	R
382		14 *Cancri* ψ¹			
Jan. 4	...	8 2 26·25	...	61 5 30·4	M
5	...	2 25·96	...	5 31·9	M

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383			*Anon.*						
Mar. 19	9·6	8	4	34·68	...	154	41	5·1	R
384			16 *Cancri* 3						
Jan. 19	...	8	4	34·86	...	71	57	13·8	R
385			*Lacaille* 3200.						
Jan. 22	6·5	8	4	49·94	5	153	7	56·9	R
Feb. 11	6·9		4	50·29	...		7	57·1	M
Mar. 2	6·9		4	50·39	5		7	58·3	M
386			*Anon.*						
Mar. 1	9·4	8	5	36·44	5	77	25	31·2	M
387			*Anon.*						
Mar. 18	9·5	8	5	43·67	...	128	39	18·3	R
388			*Anon.*						
Feb. 25	8·0	8	6	10·35	...	128	41	3·0	R
389			*Anon.*						
Jan. 31	9·5	8	6	12·24	3	128	40	14·6	R
390			*Anon.*						
Feb. 25	9·2	8	8	40·56	...	128	38	56·0	R
391			*W. B. E. VIII.* 220.						
Mar. 8	8·0	8	9	37·03	...	99	22	16·7	M
9	8·1		9	36·95	6		22	16·0	M
11	8·0		9	36·97	...		22	16·0	M
392			*Anon.*						
Jan. 21	9·7	8	10	9·07	...	150	47	12·9	R
393			*Anon.*						
Mar. 14	9·2	8	10	29·29	5	151	26	51·2	M
394			*Anon.*						
Mar. 12	8·0	8	11	53·20	..	152	1	51·5	M
395			*Anon.*						
Feb. 26	9·5	8	12	1·93	...	131	43	22·6	R
396			*Anon.*						
Mar. 15	8·0	8	12	23·81	5	128	41	13·0	M
397			*Anon.*						
Jan. 26	9·5	8	13	19·83	5	131	43	28·3	R
Mar. 13	9·3		13	19·50	...		43	29·5	M
16	9·0		13	19·76	5		43	30·1	R
19	9·6		13	19·85	5		43	29·1	R
398			*W. B. E. VII.* 383.						
Mar. 4	7·8	8	15	35·46	...	100	19	37·1	R
5	7·6		15	35·45	...		19	38·1	M
6	...		15	35·38	...		19	37·9	M
7	7·3		15	35·55	..		19	38·6	M
399			*Anon.*						
Feb. 25	9·5	8	16	35·60	...	77	32	30·5	R
400			*Anon.*						
Mar. 2	8·7	8	17	32·62	...	77	49	42·9	M
401			*Anon.*						
Jan. 21	9·5	8	18	1·12	5	154	23	16·6	R
402			*Taylor* 3599.						
Mar. 8	6·9	8	20	21·28	5	141	53	20·9	M
12	7·0		20	21·33	...		53	20·7	M
14	6·9		20	21·33	...		53	21·3	M
403			*Taylor* 3607.						
Mar. 11	6·8	8	21	19·61	5	144	55	57·8	M

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404	*Anon.*								
Mar. 9	8·0	8	21	36·53	5	131	42	10·0	M
405	*Anon.*								
Mar. 19	9·3	8	21	41·90	5	153	18	6·4	R
406	*Anon.*								
Mar. 14	7·1	8	23	35·39	…	144	53	42·9	M
407	*33 Cancri η*								
Jan. 19	…	8	25	0·89	…	69	6	35·7	R
21			25	0·91	…		6	34·1	R
Feb. 22	…		25	0·87	…		6	34·9	R
26	…		25	0·80			6	35·9	R
Mar. 1	…		25	0·91	…		6	35·2	M
4	…		25	0·89	…		6	36·1	R
7	…		25	0·83	…		6	34·9	M
13	…		25	0·81	…		6	34·6	M
15	…		25	0·74	3		6	34·7	M
Dec. 13	…		25	0·95	…		6	34·1	M
408	*Taylor 3651.*								
Feb. 16	6·7	8	25	46·17	5	130	3	50·7	R
409	*Taylor 3652.*								
Feb. 16	7·7	8	25	50·31	5	130	3	15·7	R
410	*Anon.*								
Feb. 2	…	8	26	11·25	…	145	0	34·9	M
411	*Anon.*								
Mar. 6	9·1	8	28	48·95	5	75	19	43·9	M
412	*Lalande 16890.*								
Mar. 11	7·9	8	28	51·74	…	73	13	29·5	M
413	*Anon.*								
Mar. 16	9·3	8	28	57·72	…	70	41	16·7	R
414	*W. B. N. VIII. 699.*								
Jan. 22	9·0	8	29	41·42	…	70	40	16·6	R
415	*Anon.*								
Mar. 19	9·0	8	31	19·17	…	129	46	2·1	R
416	*Taylor 3710.*								
Mar. 2	7·1	8	31	29·53	…	141	21	41·5	M
417	*Anon.*								
Mar. 8	8·4	8	34	11·25	4	154	21	4·6	M
418	*Lacaille 3475.*								
Apl. 4	6·9	8	34	57·18	5	152	23	13·5	M
419	*43 Cancri γ*								
Dec. 13	…	8	35	35·04	…	68	3	20·7	M
420	*Lacaille 3491.*								
Mar. 12	6·8	8	36	4·42	…	152	22	30·5	M
13	7·0		36	4·46	…		22	29·6	M
421	*b Velorum.*								
Mar. 9	6·9	8	36	12·98	…	136	10	36·4	M
14	5·3		36	12·90	…		10	39·2	M
422	*47 Cancri δ*								
Feb. 16	…	8	37	7·45	6	71	21	32·3	R
Mar. 15	…		37	7·36	…		21	31·3	M

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Number and Date.	Magnitude.	Mean Right Ascension 1867. h.	m.	s.	No. of Wires.	Mean Polar Distance 1867. °	′	″	Observer.
423				*11 Hydrae* «					
Jan. 22	...	8	39	43·84	...	83	5	44·6	R
Feb. 7	...		39	43·88	.		5	42·7	M
22	...		39	43·86	...		5	43·7	R
23	...		39	43·82	...		5	43·5	R
26	...		39	43·91	...		5	43·4	R
Mar. 7	...		39	43·83	.		5	43·7	M
11	...		39	43·91	...		5	44·3	M
19	...		39	43·82	...		5	43·8	R
25	...		39	43·76	...		5	44·0	R
424				*Anon.*					
Mar. 6	7·7	8	40	36·21	..	120	16	13·8	M
425				*Anon.*					
Feb. 16	8·7	8	45	56·15	...	86	27	51·3	R
Mar. 8	8·0		45	56·07	...		27	53·0	M
426				*Anon.*					
Mar. 13	7·8	8	46	50·52	...	132	53	53·3	M
427				*Anon.*					
Mar. 14	8·0	8	46	59·91	4	136	2	36·7	M
29	8·0		46	59·54	5		2	35·0	R
30	7·8		46	59·90	5		2	34·8	R
428				*R. P. L.* 60.					
Feb. 11	.	8	47	3·99	3	5	17	34·5	M
Mar. 12	..		47	4·74	3		17	34·4	M
				R. P. L. 60.—*s.p.*					
Sep. 6	..	8	47	4·27	3	5	17	37·6	M
429				*Anon.*					
Mar. 6	7·0	8	48	31·38		133	1	45·0	M
430				*Anon.*					
Jan. 22	6·0	8	49	29·63	...	132	59	40·3	R
431				*Anon.*					
Jan. 22	8·8	8	50	21·97	5	132	57	36·6	R
432				*Anon.*					
Feb. 26	8·5	8	52	22·42	5	77	33	12·6	R
Mar. 15	8·0		52	22·28	..		33	9·8	M
433				*Anon.*					
Mar. 11	8·0	8	54	8·10	5	132	51	22·9	M
434				*Anon.*					
Mar. 7	8·5	8	54	53·87	..	130	36	11·6	M
435				*Anon.*					
Mar. 12	7·7	8	55	14·26	5	146	57	23·4	M
Apl. 11	7·9		55	14·16	4		57	22·0	M
436				*Anon.*					
Apl. 2	7·9	8	56	44·33	..	146	56	26·4	M
437				*Anon.*					
Apl. 3	8·9	8	58	14·40	5	146	19	6·1	M
438				*76 Cancri* «					
Apl. 13	.	9	0	32·61	..	78	47	54·5	M
439				*Anon.*					
Mar. 1	8·3	9	4	31·47	5	132	46	11·8	M
440				*Lacaille* 3713.					
Mar. 8	7·0	9	4	40·33	..	143	49	57·1	M
441				*Anon.*					
Feb. 28	9·5	9	5	14·57	...	124	49	1·9	R
Mar. 29	9·0		5	14·72	...		49	2·9	R
30	9·3		5	14·63	..		49	2·3	R

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442			*Taylor* 4026.						
Mar. 14	7·0	9	6	1·63	5	132	43	27·0	M
26	7·5		6	1·69	...		43	27·4	R
Apl. 10	7·5		6	1·83	...		43	26·0	M
443			*Taylor* 4028.						
Mar. 2	7·8	9	6	11·79	...	132	43	39·8	M
13	7·7		6	11·50	...		43	39·9	M
26	8·5		6	11·78	...		43	40·1	R
444			*Anon.*						
Mar. 30	10·0	9	7	39·90	...	124	47	57·5	R
445			*Lacaille* 3747.						
Apl. 1	7·5	9	7	49·88	5	150	24	33·9	M
2	7·8		7	49·99	3		24	34·0	M
4	7·6		7	49·99	5		24	35·1	M
5	8·0		7	49·95	6		24	31·9	M
15	8·0		7	49·90	3		24	32·7	M
446			*Anon.*						
Apl. 3	8·7	9	9	22·46	...	150	32	31·1	M
447			*Lacaille* 3761.						
Apl. 1	7·5	9	9	31·83	3	150	22	10·1	M
15	7·0		9	31·65	5		22	9·6	M
448			*Anon.*						
Apl. 11	9·6	9	10	18·82	5	150	26	7·1	M
449			*Anon.*						
Apl. 2	7·9	9	10	49·08	...	150	21	36·4	M
4	7·9		10	49·06	5		21	35·1	M
5	7·9		10	49·19	4		21	32·6	M
450			*Anon.*						
Feb. 22	9·5	9	11	4·45	5	70	41	32·8	R
25	9·4		11	4·38	6		41	31·3	R
451			83 *Cancri.*						
Mar. 11	...	9	11	33·23	...	71	43	58·7	M
12	...		11	33·31	...		43	58·2	M
14	...		11	33·26	...		43	58·7	M
25	...		11	33·24	...		43	56·4	R
452			*Anon.*						
Feb. 28	9·2	9	12	27·52	...	124	48	18·0	R
Mar. 15	8·0		12	27·25	...		48	18·1	M
28	8·9		12	27·60	4		48	16·5	R
453			*Anon.*						
Feb. 20	10·0	9	13	6·15	4	70	32	56·9	R
26	10·2		13	6·19	5		32	56·1	R
454			ι *Argûs.*						
Feb. 27		9	13	32·01	5	148	43	7·1	R
455			*Anon.*						
Apl. 3	8·7	9	15	9·21	...	150	29	29·8	M
6	8·0		15	9·13	...		29	30·5	M
456			*Anon.*						
Apl. 2	8·7	9	15	21·09	5	150	25	5·4	M
4	8·0		15	20·95			25	3·3	M
5	8·1		15	20·87			25	3·3	M
457			*Anon.*						
Mar. 5	7·5	9	15	21·49	...	143	40	27·4	M
458			*Anon.*						
Feb. 28	8·9	9	15	43·04		124	47	39·8	R
459			*Anon.*						
Feb. 16	9·0	9	16	30·66	5	70	27	21·2	R
23	9·5		16	30·49	5		27	27·2	R

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460		*Anon.*							
Mar. 28	9·7	9	16	38·98	...	124	48	18·3	R
461		*Anon.*							
Feb. 11	8·0	9	19	6·07	...	70	22	4·9	M
462		*Anon.*							
Apl. 3	8·4	9	19	25·22	...	150	31	25·8	M
6	8·6		19	25·11	6		31	25·7	M
463		*Anon.*							
Feb. 28	9·0	9	19	51·06	5	123	21	57·3	R
Mar. 6	8·3		19	51·28	...		21	58·3	M
464		*Anon.*							
Feb. 28	8·3	9	20	34·82	5	125	23	42·9	R
465		30 *Hydrae α, Var* 2.							
Mar. 7		9	21	3·04	...	98	5	2·0	M
12	...		21	2·94	...		5	3·4	M
13	...		21	3·06	...		5	2·6	M
14			21	3·01	...		5	2·1	M
15			21	3·03	...		5	2·3	M
25			21	3·08	...		5	2·7	R
26	...		21	3·06	...		5	2·5	R
466		*Lalande* 18636.							
Feb. 19	9·0	9	21	51·60	...	68	30	25·3	R
Apl. 15	8·8		21	51·44	6		30	24·5	M
467		*Lalande* 18659.							
Mar. 28	9·3	9	22	47·89	5	67	50	13·6	R
30	9·0		22	47·90	...		50	14·5	R
468		*Lalande* 18683							
Feb. 25	9·5	9	23	27·92		68	7	36·7	R
Mar. 29	9·2		23	27·75	...		7	37·8	R
469		6 *Leonis h*							
Jan. 21	...	9	24	49·72	...	79	41	59·4	R
Mar. 16	..		24	49·67	..		41	58·7	R
470		*Lalande* 18730.							
Feb. 27	9·2	9	25	2·55	...	68	38	37·6	R
Mar. 5	8·7		25	2·64	..		38	37·2	M
Apl. 8	9·3		25	2·61	...		38	37·4	M
471		*Anon.*							
Apl. 5	8·8	9	26	48·02		145	3	14·7	M
472		*Taylor* 4222.							
Feb. 19	7·5	9	27	49·98	...	146	24	7·6	R
23	8·0		27	50·21	5		24	8·3	R
Mar. 6	7·1		27	50·43	...		24	8·9	M
473		*Anon.*							
Feb. 18	8·0	9	28	21·93	4	146	32	46·3	R
Mar 19	9·0		28	22·19	...		32	45·7	R
474		*Anon.*							
Feb. 28	9·0	9	31	28·90	...	126	26	31·5	R
Mar. 11	8·6		31	28·80	...		26	33·2	M
30	9·5		31	29·05	...		26	31·8	R
475		*Anon.*							
Mar. 2	8·4	9	32	19·61	...	129	40	39·3	M
28	9·0		32	19·75	5		40	39·6	R
Apl. 1	8·1		32	19·60	5		40	39·2	M
476		*R. P. L.* 69.							
Mar. 13		9	33	50·03	2	2	47	31·6	M
Apl. 10			33	50·64	1		47	31·5	M
477		14 *Leonis ο*							
Mar. 16	...	9	34	3·08	..	79	30	15·0	R

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478			*Lacaille* 3980.						
Apl. 6	7·0	9	34	35·71	...	148	34	36·0	M
479			*Anon.*						
Apl. 2	9·0	9	35	36·60	...	148	30	24·2	M
480			*Anon.*						
Feb. 27	8·0	9	35	55·04	...	148	40	57·6	R
Apl. 3	7·8		35	54·56	...		40	59·8	M
11	7·4		35	54·85	...		40	58·6	M
481			*Anon.*						
Apl. 13	8·6	9	36	53·89	5	151	54	38·9	M
482			*Anon.*						
Apl. 5	6·9	9	37	0·22	...	148	26	5·0	M
483			*Anon.*						
Apl. 4	7·9	9	37	10·56	5	148	32	5·8	M
6	8·0		37	10·43	5		32	6·3	M
484			*R Leonis Minoris Var.* 1.						
Feb. 18	7·0	9	37	35·29	...	54	52	44·9	R
Mar. 1	7·7		37	35·61	...		52	44·1	M
6	7·3		37	35·42	...		52	42·6	M
485			17 *Leonis* ε						
Feb. 16	...	9	38	17·82	...	65	36	55·4	R
22	...		38	17·79	...		36	54·7	R
28	...		38	17·73	...		36	55·8	R
Mar. 5	...		38	17·87	5		36	54·7	M
7	...		38	17·85	...		36	55·2	M
8	...		38	17·80	...		36	55·4	M
19	...		38	17·74	...		36	56·9	R
26	...		38	17·83	5		36	54·9	R
28	...		38	17·92	...		36	54·8	R
29	...		38	17·63	...		36	55·0	R
30	...		38	17·82	...		36	55·8	R
Apl. 12	...		38	17·86	5		36	55·9	M

Number and Date.	Magnitude.	Mean Right Ascension 1867. h.	m.	s.	No. of Wires.	Mean Polar Distance 1867. °	′	″	Observer.
486			*Anon.*						
Apl. 6	7·9	9	39	44·70	5	148	34	33·2	M
487			*l Carinae Var.* 1.						
Apl. 1	5·7	9	41	35·69	5	151	53	45·8	M
488			*Anon.*						
Feb. 19	8·0	9	41	36·77	5	130	46	40·3	R
489			*Taylor* 4337.						
Apl. 5	7·0	9	41	56·94	...	148	26	5·4	M
490			*Anon.*						
Apl. 10	8·0	9	42	49·43	5	130	48	39·4	M
491			*Anon.*						
Apl. 6	9·5	9	44	13·40	...	148	30	48·0	M
492			*Anon.*						
Feb. 23	9·2	9	45	4·65	5	129	48	10·8	R
Mar. 29	9·5		45	4·37	...		48	11·8	R
493			*R. P. L.* 70.						
Feb. 22	...	9	46	49·77	3	5	26	38·9	R
27	...		46	51·36	3		26	38·1	R
Mar. 26	...		46	50·81	3		26	37·3	R
494			*Taylor* 4381.						
Feb. 25	6·5	9	47	11·46	5	132	7	24·1	R
Mar. 8	6·7		47	11·30	5		7	23·8	M
13	6·5		47	11·28	...		7	24·2	M
495			*Anon.*						
Feb. 28	10·3	9	47	16·53	5	73	34	23·4	R
Mar. 29	...		47	16·60	...		34	20·4	R
496			*Anon.*						
Feb. 23	9·0	9	52	49·79	...	129	41	30·1	R
Apl. 4	8·0		52	49·57	...		41	32·0	M
15	9·3		52	49·80	...		41	31·4	M

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497			*29 Leonis π*						
Feb. 18	...	9	53	11·09	..	81	19	9·1	R
19	...		53	10·90	...		19	9·5	R
Mar. 2			53	10·95	...		19	10·1	M
5	...		53	10·95	5		19	8·9	M
6			53	10·95	...		19	8·5	M
11			53	11·02	...		19	8·1	M
12	...		53	10·96	...		19	9·8	M
28	...		53	11·02	...		19	8·2	R
29			53	10·97	...		19	9·2	R
Apl. 2	...		53	11·08	...		19	8·9	M
3	...		53	10·88	5		19	9·1	M
8			53	11·01	...		19	8·6	M
11	...		53	11·01	5		19	9·3	M
13	...		53	11·05	...		19	7·8	M
498			*Anon.*						
Feb 28	9·6	9	54	54·39	5	125	18	14·0	R
499			*Anon.*						
Apl. 1	8·0	9	55	57·99	5	147	25	7·3	M
500			*Anon.*						
Mar. 16	9·0	9	57	54·23	...	145	33	51·6	R
Apl. 5	8·6		57	54·12	...		33	55·1	M
501			*Taylor 4476.*						
Feb. 28	8·0	9	57	57·89	5	145	36	55·7	R
502			*Anon.*						
Mar. 14	7·9	9	58	31·74	...	150	39	51·6	M
503			*Taylor 4484.*						
Apl. 12	7·1	9	58	46·06	...	151	30	53·2	M
504			*Anon.*						
Mar. 13	9·4	10	0	3·73	5	86	23	11·4	M
Apl. 6	9·5		0	3·88	..		23	7·7	M
16	9·7		0	3·82	...		23	8·6	R
505			*32 Leonis α, Regulus.*						
Jan. 21	...	10	1	17·14	4	77	23	3·0	R
22	...		1	17·18	...		23	4·8	R
Feb. 28	...		1	17·17	...		23	3·2	R
Mar. 8	...		1	17·14	...		23	2·6	M
11	...		1	17·07	..		23	3·1	M
12	...		1	17·14	...		23	3·0	M
15	...		1	17·38	..		23	3·1	M
18	...		1	17·18	...		23	2·9	R
26	..		1	17·14			23	3·0	R
28	.		1	17·13	..		23	2·8	R
Apl. 11	...		1	17·07	...		23	1·9	M
13	..		1	17·19	.		23	1·4	M
506			*Anon.*						
Apl. 2	8·0	10	1	28·82	..	130	2	51·7	M
507			*Anon.*						
Apl. 4	8·1	10	2	9·03	6	129	57	19·8	M
508			*Anon.*						
Feb. 23	9·0	10	2	27·30		123	25	18·1	R
Mar. 29	9·5		2	27·39	5		25	16·4	R
509			*Anon.*						
Feb. 20	8·5	10	4	33·50	..	122	54	30·9	R
510			*Anon.*						
Feb. 23	9·0	10	4	41·59	5	123	29	42·4	R
Mar. 19	9·5		4	41·48	...		29	42·3	R
29	9·8		4	41·45	...		29	40·3	R
511			*Taylor 4552.*						
Apl. 1	7·0	10	7	8·68	5	147	24	17·9	M
512			*Anon.*						
Apl. 10	7·0	10	8	6·84	5	[illegible]	57	11·3	M
13	8·0		8	[illegible]	...		57	11·1	M

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513			*Anon.*						
Apl. 3	8·7	10	9	8·50	5	139	52	35·8	M
514			*R. P. L. 72.*						
Mar. 26		10	9	50·41	2	5	4	31·0	R
			R. P. L. 72—s.p.						
Sep. 24	...	10	9	50·78	3	5	4	33·2	R
Oct. 8	...		9	50·83	1		4	32·5	M
515			*Anon.*						
Feb. 25	8·0	10	9	58·15	...	145	35	16·2	R
516			*Anon.*						
Mar. 6	8·9	10	10	23·27	5	139	52	6·3	M
16	9·3		10	23·22	5		52	5·9	R
Apl. 5	8·9		10	23·26	6		52	5·2	M
517			41 *Leonis* γ^1						
Mar. 13	...	10	12	38·14	5	69	29	13·8	M
14	...		12	38·07	...		29	13·7	M
Apl. 2	...		12	38·13	...		29	14·4	M
4	...		12	38·16	...		29	14·1	M
8	...		12	38·12	...		29	13·7	M
11	...		12	38·22	...		29	13·4	M
13	...		12	38·12	5		29	14·3	M
518			*Anon.*						
Apl. 16	9·5	10	12	59·06	5	128	37	51·6	R
519			*Anon.*						
Feb. 26	8·0	10	16	6·81	5	125	33	13·1	R
Mar. 13	7·9		16	6·76	...		33	15·0	M
20	8·2		16	6·73	..		33	15·5	R
520			*Lalande* 20139.						
Feb. 18	8·8	10	16	17·88	...	73	25	24·9	R
521			*Anon.*						
Feb. 25	9·7	10	18	52·61	5	146	0	21·0	R
522			*Anon.*						
Mar. 16	9·7	10	19	30·33	...	146	9	36·9	R
523			*Anon.*						
Feb. 27	9·5	10	21	25·92	5	125	34	7·7	R
Mar. 19	9·5		21	25·89	5		34	11·6	R
524			*Anon.*						
Feb. 26	7·2	10	22	17·71	...	125	32	28·5	R
Mar. 19	7·0		22	17·66	5		32	29·6	R
20	7·9		22	17·68	...		32	29·4	R
525			*Anon.*						
Apl. 2	8·0	10	24	12·38	5	146	56	1·5	M
526			*Anon.*						
Apl. 3	8·4	10	24	32·14	...	146	59	50·6	M
527			*Anon.*						
Feb. 27	8·0	10	24	53·47	..	125	34	45·3	R
Apl. 13	8·3		24	53·40	..		34	48·7	M
528			*Lalande* 20402.						
Apl. 4	7·5	10	25	8·24	...	79	53	41·6	M
6	7·6		25	8·14	...		53	43·2	M
17	8·0		25	8·16	...		53	40·9	R
529			47 *Leonis* ρ						
Jan. 21	...	10	25	48·27	...	80	0	37·3	R
22	...		25	48·41	...		0	37·8	R
Feb. 18	...		25	48·41	...		0	37·0	R
19	...		25	48·41	...		0	38·0	R
28	..		25	48·47	...		0	37·3	R
Mar. 16	...		25	48·37	...		0	36·2	R
18	...		25	48·40	...		0	31·7	R
30	..		25	48·34	...		0	37·8	R
Apl. 5	...		25	48·38	...		0	36·2	M
8	...		25	48·43	.		0	36·0	M
11	..		25	48·33	...		0	35·9	M
12	...		25	48·42	...		0	36·6	M

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530		*Taylor* 4769.							
Apl. 15	5·7	10	30	29·80	...	146	52	12·9	M
531		*Anon.*							
Feb. 20	9·0	10	31	10·43	...	151	10	32·9	R
Apl. 1	8·6		31	10·49	5		10	34·5	M
532		*R Ursae Majoris Var* 1.							
Apl. 4	7·7	10	35	11·66	3	20	31	37·7	M
10	7·3		35	11·75	5		31	38·2	M
11	7·6		35	11·55	4		31	38·2	M
533		*Anon.*							
Mar. 16	9·3	10	35	29·86	5	137	20	28·7	R
534		*Anon.*							
Apl. 2	8·7	10	35	48·04	...	146	54	26·7	M
13	8·0		35	47·87	5		54	25·6	M
15	8·0		35	47·89	5		54	26·2	M
535		*Taylor* 4850—1*st*.							
Apl. 26	9·0	10	38	46·16	3	148	51	7·8	R
536		*Taylor* 4850—2*nd*.							
Apl. 26	7·7	10	38	49·27	4	148	51	3·0	R
537		*Taylor* 4852—1*st*.							
Mar. 15	8·0	10	38	59·00	...	148	52	42·6	M
538		*Taylor* 4852—2*nd*.							
Apl. 3	8·9	10	39	0·53	...	148	52	46·0	M
539		*Brisbane* 3194.							
Apl. 5	8·3	10	39	24·40	...	140	2	41·0	M
540		*Anon.*							
Apl. 25	9·0	10	39	31·78	5	139	3	7·9	R
541		*η Argûs Var.* 1.							
Mar. 11	...	10	39	54·47	...	148	59	11·0	M
13	...		39	54·42	...		59	11·3	M
542		*Taylor* 4872.							
Apl. 17	7·7	10	41	11·43	5	151	14	31·8	R
543		53 *Leonis l.*							
Feb. 18	...	10	42	15·87	5	78	45	8·5	R
19	...		42	15·91	...		45	7·6	R
20	...		42	15·85	...		45	9·1	R
Mar. 16	...		42	15·88	..		45	7·9	R
19	..		42	15·91	...		45	8·4	R
26	.		42	15·82	...		45	7·0	M
Apl. 2	...		42	15·84	...		45	7·5	M
6	..		42	15·92	5		45	7·5	M
27	...		42	15·82	..		45	6·9	R
544		*Anon.*							
Mar. 15	9·5	10	42	31·99	5	142	52	17·9	M
545		*Anon.*							
Feb. 21	9·7	10	42	32·13	...	75	5	48·0	R
546		*Taylor* 4886.							
Mar. 9	6·9	10	42	55·34	...	137	2	57·7	M
547		*Lacaille* 4502.							
Jan. 22	7·0	10	46	37·75	...	141	5	34·5	R
548		*Anon.*							
Apl. 23	9·2	10	48	3·53	...	147	42	1·4	R
549		*Anon.*							
Apl. 12	8·2	10	48	23·00	6	141	45	40·4	M
17	9·0		48	23·35	5		45	45·0	R

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550	*Anon.*								
Mar. 13	8·6	10	48	33·91	6	148	52	33·5	M
Apl. 5	8·7		48	34·03	5		52	33·0	M
551	*Anon.*								
Mar. 16	...	10	50	39·34	5	148	49	2·0	R
552	7 *Crateris* α								
Feb. 21	...	10	53	17·78	...	107	35	29·5	R
553	58 *Leonis* d								
Apl. 15	...	10	53	41·41	...	85	40	9·7	M
554	*R Crateris Var.* 1.								
Feb. 20	8·0	10	54	0·94	5	107	36	44·5	R
Mar. 30	9·0		54	1·16	...		36	43·7	R
Apl. 13	9·0		54	0·90	...		36	42·7	M
26	9·0		54	1·00	...		36	43·2	R
May 1	9·0		54	0·93	...		36	43·6	M
555	*Anon.*								
Apl. 11	9·1	10	54	11·17	6	107	39	14·7	M
May 8	9·1		54	11·13	3		39	14·9	M
556	50 *Ursae Majoris* α, *Dubhe.*								
May. 3	...	10	55	29·92	...	27	31	51·8	M
557	*Anon.*								
Mar. 14	8·9	10	57	9·71	...	145	36	40·6	M
558	53 *Leonis* χ								
Mar. 16	...	10	58	9·81	...	81	56	43·5	R
18	...		58	9·27	...		56	45·4	R
19	...		58	9·36	...		56	44·8	R
21	...		58	9·30	..		56	44·5	R
29	...		58	9·31	...		56	47·1	R
Apl. 1	...		58	9·33	4		56	45·8	M
Apl. 6	...	10	58	9·17	...	81	56	44·9	M
15	...		58	9·35	3		56	41·3	M
16	...		58	9·32	..		56	45·1	R
17	...		58	9·27	...		56	43·6	R
25	...		58	9·26	...		56	41·0	R
29	...		58	9·39	...		56	43·1	R
30	...		58	9·23	...		56	41·6	R
May 3	...		58	9·35	3		56	41·8	M
11	...		58	9·21	4		56	45·2	M
559	*Lacaille* 4612.								
Apl. 26	8·8	11	1	1·88	5	154	47	31·8	R
560	67 *Leonis.*								
Apl. 27	6·2	11	1	40·69	...	64	37	20·0	R
561	*Lalande* 21367.								
Mar. 30	8·0	11	3	28·20	...	78	6	46·3	R
May 8	7·7		3	28·23	...		6	45·7	M
13	7·5		3	28·32	5		6	45·4	M
562	*Lalande* 21366.								
Feb. 20	9·0	11	3	30·17	...	64	8	41·1	R
Apl. 17	9·0		3	30·37	5		8	41·2	R
563	*S Leonis Var.* 2.								
Feb. 21	10·5	11	3	58·27	3	83	49	7·3	R
564	*Anon.*								
May. 1	8·8	11	4	27·49	5	150	15	32·0	M
565	*Anon.*								
Apl. 16	9·7	11	7	0·36	...	65	26	3·3	R

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566				*68 Leonis δ*					
Mar. 16	...	11	7	1·84	...	68	44	55·2	R
21	...		7	1·84	...		44	54·9	R
Apl. 1	...		7	1·98	...		44	54·8	M
3	...		7	1·91	...		44	54·2	M
10	...		7	1·96	...		44	54·0	M
13	...		7	1·89	..		44	54·2	M
13	...		7	1·78	..		44	53·6	M
15	...		7	1·87	...		44	54·3	R
26	...		7	1·88	...		44	53·8	R
29	...		7	1·84	...		44	53·6	R
May 2	...		7	1·83	...		44	55·1	M
11	...		7	1·07	...		44	54·6	M
567				*Anon.*					
Feb. 20	8·3	11	10	33·08	5	148	56	47·7	R
Mar. 30	9·2		10	33·45	5		56	49·0	R
568				*Anon.*					
May 6	8·0	11	11	16·77	...	127	39	22·7	M
569				*12 Crateris δ*					
Mar. 21	...	11	12	41·56	...	104	3	33·2	R
Apl. 1	...		13	41·48	...		3	34·0	M
3	...		12	41·71	...		3	33·2	M
4	...		12	41·46	...		3	34·2	M
10	...		12	41·50	...		3	33·0	M
13	...		12	41·58	...		3	32·5	M
17	...		12	41·53	...		3	33·5	R
25	...		12	41·59	...		3	33·3	R
26	...		12	41·50	..		3	32·7	R
29	..		12	41·49	...		3	32·2	R
30	...		12	41·59	...		3	33·5	R
May 2	...		12	41·57	...		3	33·6	M
4	...		12	41·53	...		3	33·3	M
570				*77 Leonis σ*					
Jan. 22	...	11	14	16·68	...	83	14	33·6	R
Mar. 18	..		14	16·60	...		14	32·8	R
19	...		14	16·60	..		14	32·7	R
571				*Anon.*					
Feb. 20	9·0	11	16	35·30	...	125	40	0·0	R
Mar. 30	8·5		16	35·66	...		40	0·4	R
May 7	8·6		16	35·57	..		39	59·4	M
572				*Anon.*					
Feb. 20	9·3	11	18	7·81	3	125	40	3·6	R
21	9·5		18	7·55	5		40	2·6	R
Mar. 30	9·0		18	7·81	5		40	3·7	R
May 1	9·2		18	7·70	6		40	3·2	M
573				*O. A. N.* 11812.					
May 3	8·0	11	23	20·34	...	22	58	43·9	M
574				*Anon.*					
Apl. 17	9·0	11	24	40·74	5	22	56	53·5	R
575				*Anon.*					
Apl. 16	9·7	11	24	43·21	5	146	9	57·8	R
576				*Anon.*					
Mar. 30	9·5	11	24	50·12	5	84	43	20·0	R
577				*Anon.*					
May 8	9·2	11	25	17·49	5	151	32	29·7	M
578				*Anon.*					
Feb. 21	8·9	11	25	29·33	5	128	27	47·0	R
579				*Anon.*					
Apl. 3	9·0	11	25	32·76	..	22	56	59·6	M
26	9·6		25	32·65	5		56	58·7	R

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580				*Anon.*					
Apl. 25	10·0	11	26	38·75	5	151	38	55·0	R
581				*Anon.*					
Apl. 30	9·7	11	26	59·68	…	151	31	58·4	R
582				91 *Leonis* ν					
Feb. 19	…	11	30	8·31	…	90	5	23·8	R
20	…		30	8·30	…		5	26·5	R
Mar. 20	…		30	8·39	…		5	23·1	R
Apl. 1	…		30	8·27	…		5	24·4	M
3	…		30	8·27	…		5	24·3	M
4	…		30	8·20	5		5	24·6	M
5	…		30	8·14	…		5	23·5	M
6	…		30	8·31	…		5	24·9	M
15	…		30	8·30	…		5	23·5	M
16	…		30	8·32	5		5	24·7	R
27	…		30	8·36	…		5	23·6	R
May 1	…		30	8·33	…		5	23·3	M
2	…		30	8·33	…		5	24·2	M
4	…		30	8·38	…		5	23·8	M
6	…		30	8·33	…		5	24·8	M
7	…		30	8·25	5		5	24·1	M
9	…		30	8·19	…		5	23·4	M
11	…		30	8·38	…		5	23·6	M
13	…		30	8·41	…		5	23·9	M
583				*Anon.*					
Feb. 21	8·0	11	34	6·01	…	127	50	17·3	R
584				*W. B. E. XI.* 579.					
Mar. 30	9·3	11	34	52·84	…	88	16	5·0	R
May 3	9·1		34	52·80	5		16	5·3	M
585				*Anon.*					
Apl. 30	8·0	11	36	12·08	5	139	41	16·9	R
586				*Anon.*					
Apl. 25	7·9	11	38	17·98	…	149	39	43·3	R
587				*Anon.*					
May 8	7·9	11	41	5·55	5	149	53	5·0	M
11	7·8		41	5·49	…		53	4·6	M
588				*Anon.*					
May 6	8·5	11	41	17·07	…	126	31	26·7	M
7	8·7		41	17·90	6		31	25·7	M
589				94 *Leonis* β, *Deneb.*					
Feb. 21	…	11	42	16·52	…	74	41	4·7	R
Mar. 20	…		42	16·46	…		41	5·2	R
30	…		42	16·43	…		41	5·6	R
Apl. 4	…		42	16·59	…		41	6·2	M
5	…		42	16·59	…		41	6·4	M
6	…		42	16·44	…		41	4·8	M
10	…		42	16·26	…		41	5·0	M
17	…		42	16·37	…		41	5·2	R
26	…		42	16·42	…		41	4·7	R
27	…		42	16·30	…		41	5·3	R
30	…		42	16·40	…		41	5·0	R
May 1	…		42	16·43	…		41	6·3	M
2	…		42	16·43	…		41	6·0	M
4	…		42	16·36	…		41	6·0	M
9	…		42	16·41	…		41	5·2	M
14	…		42	16·44	5		41	5·9	·
15	…		42	16·41	…		41	4·8	M
590				5 *Virginis* β					
Feb. 19	…	11	43	46·19	…	87	29	10·5	R
20	…		43	45·97	…		29	11·6	R
Apl. 15	…		43	45·97	…		29	7·8	M
16	…		43	46·01	…		29	8·4	R
591				*Anon.*					
Mar. 28	9·0	11	48	34·30	5	124	55	47·3	M
Apl. 25	8·6		48	34·15	…		55	46·4	R
May 6	8·6		48	34·21	5		55	47·6	M
6	8·7		48	33·79	4		55	46·9	M
592				*Lacaille* 4956.					
Feb. 21	8·0	11	51	18·37	…	154	34	55·1	R

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593		*Anon.*							
Apl. 27	9·5	11	51	43·83	5	144	13	56·1	R
30	8·7		51	45·93	5		13	55·4	R
594		*R. P. L.* 87.							
Apl. 1	..	11	52	28·32	2	2	15	53·9	M
May 3	...		52	28·47	1		15	53·6	M
4	...		52	27·57	1		15	53·5	M
7	...		52	29·07	1		15	52·7	M
11	...		52	27·28	1		15	53·3	M
		R. P. L. 87—*s.p.*							
Nov. 2	...	11	52	27·70	2	2	15	53·6	M
595		*Anon.*							
Feb. 21	9·4	11	52	29·64	...	154	33	31·4	R
596		8 *Virginis* π							
Mar. 19	...	11	54	3·44	...	82	38	38·9	R
20	...		54	3·38	..		38	38·7	R
597		*Taylor* 5535.							
Apl. 24	8·0	11	57	12·75	...	70	26	30·5	R
598		*Anon.*							
Apl. 26	9·0	11	59	45·05	...	144	19	49·4	R
27	8·0		59	45·04	5		19	49·0	R
May 7	8·1		59	45·18	...		19	49·7	M
11	8·0		59	45·23	5		19	49·8	M
599		*Anon.*							
May 4	8·9	12	1	46·16	...	130	2	36·1	M
6	8·9		1	46·29	..		2	37·0	M
600		2 *Corvi* ε							
Apl. 2	...	12	3	17·22	5	111	52	49·2	M
5	...		3	17·27	...		52	48·8	M
10	...		3	17·29	...		52	48·8	M
May 1	...		3	17·22	...		52	48·5	M
3	...		3	17·27	5		52	48·6	M
14	...		3	17·23	..		52	49·9	M
601		*Anon.*							
May 8	8·2	12	6	21·95	...	138	28	32·7	M
602		*R. P. L.* 90.							
Apl. 15	...	12	7	3·87	1	2	19	38·7	M
603		*Anon.*							
Mar. 30	9·5	12	7	46·83	..	90	15	18·1	R
Apl. 18	..		7	46·74	...		15	17·5	R
604		15 *Virginis* η							
Feb. 20	...	12	13	6·06	...	89	55	40·0	R
21	...		13	6·09	...		55	40·5	R
Apl. 16	...		13	6·07	...		55	39·7	R
19	...		13	5·97	...		55	39·1	R
26	.		13	6·07	...		55	40·3	R
May 1	...		13	6·06	...		55	40·0	M
3	...		13	6·16	...		55	40·7	M
4	...		13	6·04	...		55	39·7	M
7	...		13	5·98	...		55	39·6	M
13	...		13	5·98	...		55	39·6	M
14	...		13	6·10	...		55	39·7	M
22	...		13	6·02	...		55	39·9	R
605		16 *Virginis* c.							
Mar. 19	...	12	13	35·77	..	85	56	47·9	R
606		*R. P. L.* 93—*s.p.*							
Sep. 17	...	12	14	18·46	1	1	33	46·6	R
607		*Anon.*							
Mar. 21		12	17	32·75	5	24	44	7·0	R
29	9·0		17	32·76	5		44	7·4	R
Apl. 18	8·4		17	32·71	4		44	6·2	R
608		*Anon.*							
May 13	7·8	12	20	55·50	5	141	20	17·5	M

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609		*W. B. E. XII. 446.*							
Apl. 11	8·0	12	27	23·00	...	92	59	7·7	M
May 1	8·9		27	23·07	6		59	9·0	M
6	8·4		27	22·92	...		59	9·1	M
610		*9 Corvi β*							
May 9	...	12	27	24·25	...	112	39	39·9	M
16	...		27	24·19	5		39	39·9	R
18	...		27	24·15	...		39	40·5	R
22	.		27	24·22	...		39	40·3	R
611		*Anon.*							
Apl. 16	10·0	12	27	38·36	4	99	38	40·8	R
27	10·0		27	38·38	3		38	40·5	R
30	9·8		27	38·31	...		38	38·7	R
612		*Lalande 23532.*							
Apl. 13	7·9	12	28	37·88	...	92	48	47·7	M
May 7	7·9		28	37·76	...		48	45·9	M
8	7·9		28	37·68	...		48	46·7	M
613		*Anon.*							
May 11	8·6	12	31	0·60	...	132	20	42·1	M
614		*R Virginis Var. 2.*							
May 3	7·9	12	31	45·10	...	82	16	47·3	M
615		*Anon.*							
Apl. 18	9·8	12	32	46·25	...	100	5	42·2	R
24	9·7		32	45·96	...		5	43·1	R
May 8	9·3		32	45·88	...		5	42·5	M
616		*Anon.*							
May 23	7·0	12	32	59·88	...	98	14	23·3	R
617		*29 Virginis γ¹*							
Feb. 20	...	12	34	55·15	...	90	43	9·4	R
21	...		34	55·17	...		43	9·9	R
Apl. 16	...		34	55·27	6		43	8·8	R
17	...		34	55·26	...		43	7·8	R
May 13	...		34	55·19	...		43	8·0	M
15	...		34	55·30	6		43	7·1	M
18	...		34	55·19	..		43	9·6	R
24	...		34	55·19	..		43	7·7	R
618		*Anon.*							
Apl. 19	9·5	12	39	38·00	...	141	55	13·0	R
619		*Anon.*							
May 9	9·6	12	39	45·51	...	94	2	52·5	M
620		*Anon.*							
Apl. 18	9·7	12	42	13·60	...	147	17	27·9	R
621		*Anon.*							
Apl. 24	9·0	12	43	1·22	...	139	26	16·2	R
622		*Anon.*							
Apl. 30	9·0	12	43	18·41	5	80	42	20·1	R
May 7	9·0		43	18·58	...		42	19·5	M
623		*Anon.*							
May 27	10·5	12	43	40·26	6	80	41	30·9	R
31	10·6		43	40·14	2		41	36·2	R
624		*38 Virginis.*							
Apl. 16	..	12	46	22·60	5	92	49	46·0	R
17	...		46	22·60	4		49	48·8	R
625		*40 Virginis ψ*							
Mar. 21	...	12	47	26·23	...	98	48	58·6	R

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626		*W. B. E. XII.* 799.							
Apl. 11	8·6	12	47	46·77	...	80	46	26·2	M
12	8·4		47	46·77	...		46	26·5	M
15	8·6		47	46·67	...		46	27·2	M
627		*R. P. L.* 99.							
May 30	...	12	48	11·25	3	5	51	48·1	R
628		*Anon.*							
Apl. 19	9·7	12	48	38·64	...	125	26	18·8	R
May 11	8·3		48	38·74	...		26	18·5	M
629		*Anon.*							
Apl. 4	7·9	12	49	3·64	...	149	25	18·9	M
May 13	7·9		49	3·35	...		25	17·3	M
630		12 *Canum Venaticorum.*							
Apl. 18	...	12	49	48·08	...	50	57	45·4	R
24	...		49	48·09	...		57	46·0	R
May 6	...		49	48·07	...		57	46·2	M
8	...		49	48·14	5		57	46·7	M
18	...		49	48·00	...		57	45·8	R
22	...		49	48·04	...		57	46·4	R
23	...		49	48·07	5		57	45·3	R
631		*Anon.*							
May 26	9·0	12	53	18·20	...	142	26	3·3	R
632		*Anon.*							
May 9	8·0	12	53	35·72	...	135	45	20·4	M
633		*Anon.*							
May 7	9·1	12	54	48·28	...	139	19	21·0	M
634		*Anon.*							
May 30	9·2	12	57	9·26	...	123	26	10·5	R
635		*Lacaille* 5381.							
Apl. 25	8·0	12	57	17·83		129	58	5·3	R
May 13	7·3		57	18·00	4		58	5·9	M
636		*Anon.*							
May 11	8·3	12	58	15·93	..	124	20	41·2	M
637		51 *Virginis θ*							
Feb. 21	...	13	3	3·84	..	94	49	41·3	R
Mar. 21	.		3	3·94	...		49	43·0	R
22	...		3	3·91			49	42·6	R
Apl. 15	...		3	3·85	...		49	42·4	R
18	..		3	3·92	4		49	41·3	R
19	...		3	3·90	...		49	42·1	R
24	...		3	3·89	...		49	42·6	R
May 14	...		3	3·84	..		49	42·8	M
16	...		3	3·84	..		49	41·8	R
18	...		3	3·88	...		49	41·5	R
22	...		3	3·82	..		49	43·1	R
23	..		3	3·92	...		49	42·1	R
25	...		3	3·85	...		49	43·1	R
27	...		3	3·88	...		49	42·1	R
638		*Taylor* 6057.							
May 8	5·6	13	4	0·73	..	149	12	44·9	M
639		*Anon.*							
May 9	9·0	13	4	42·60	...	138	11	32·4	M
640		*Anon.*							
Apl. 30	9·3	13	4	46·30	5	143	13	19·7	R
641		*Anon.*							
May 30	9·5	13	5	47·26	...	124	17	29·9	R
642		*Lacaille* 5434.							
Apl. 25	7·8	13	6	9·27	5	152	52	49·6	R

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Number and Date.	Magnitude.	Mean Right Ascension 1867. h.	m.	s.	No. of Wires.	Mean Polar Distance 1867. °	′	″	Observer.
643	*R. P. L.* 101—*s.p.*								
Nov. 16	...	13	9	53·84	3	1	38	15·8	R
21	...		9	53·71	3		38	15·1	R
644	*Taylor* 6129.								
May 13	7·0	13	12	23·30	5	130	29	29·3	M
645	*Taylor* 6148.								
May 25	7·5	13	14	21·75	...	128	9	17·2	R
646	*Taylor* 6160.								
May 27	8·0	13	15	45·26	5	128	55	55·0	R
30	8·3		15	45·32	...		55	54·4	R
647	67 *Virginis* α, *Spica.*								
Feb. 21	...	13	18	11·16	...	100	28	0·7	R
Mar. 22	...		18	11·28	...		27	58·5	R
Apl. 15	...		18	11·22	...		27	56·7	M
17	...		18	11·35	...		27	58·4	R
18	...		18	11·20	...		27	58·5	R
May 3	...		18	11·13	5		27	58·7	M
14	...		18	11·28	...		27	58·8	M
16	..		18	11·34	...		27	57·9	R
29	...		18	11·21	...		27	58·4	R
June 4	...		18	11·27	...		27	58·6	M
648	79 *Ursae Majoris* ζ—2nd.								
June 7	6·5	13	18	34·75	...	34	22	57·4	M
649	*O. A. S.* 12872.								
Apl. 29	9·7	13	19	30·85	.	116	57	23·7	R
May 31	9·9		19	30·89	5		57	21·7	R
650	*Lacaille* 5546.								
May 23	9·0	13	19	52·27	5	143	28	26·2	R
651	*R. P. L.* 103.								
Apl. 24	...	13	20	6·71	3	4	32	59·8	R
25	...		20	6·51	3		33	0·0	R
	R. P. L. 103—*s.p.*								
Dec. 6	...	13	20	5·77	3	4	33	2·1	M
652	*Anon.*								
May 30	10·6	13	23	26·90	5	88	39	10·4	R
653	*Anon.*								
May 24	...	13	24	37·90	6	128	9	38·7	R
654	*Anon.*								
Apl. 25	8·2	13	25	41·80	4	128	11	13·6	R
655	*Taylor* 6257.								
May 25	9·2	13	25	47·38	...	148	49	20·5	R
June 5	8·2		25	47·76	...		49	20·9	M
656	76 *Virginis h*								
Apl. 17	...	13	25	57·83	5	99	28	43·9	R
657	*Anon.*								
May 27	8·3	13	26	43·45	...	131	36	7·5	R
658	79 *Virginis* ζ								
Mar. 22	..	13	27	55·00	...	89	54	55·3	R
23	..		27	55·06	...		54	54·3	R
Apl. 19	..		27	55·06	...		54	53·9	R
24	...		27	55·08	...		54	55·2	R
May 23	...		27	55·03	...		54	54·9	R
29	...		27	55·06	...		54	53·8	R
31	...		27	55·07	...		54	53·6	R
June 1	...		27	54·99	...		54	54·2	M
4	...		27	55·12	...		54	54·2	M
6	...		27	55·07	...		54	55·1	M
10	...		27	54·95	...		54	54·6	M

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659		*Lacaille* 5614.							
Apl. 30	8·0	13	30	7·29	...	123	13	3·1	R
660		*Lacaille* 5639.							
May 31	7·0	13	33	23·82	5	123	46	59·6	R
June 1	7·1		33	23·73	5		47	0·6	M
661		*Anon.*							
May 30	9·5	13	34	13·39	5	129	10	53·7	R
662		*Anon.*							
May 27	8·3	13	35	43·62	...	128	4	23·1	R
663		*O. A. S.* 13079.							
June 5	9·3	13	36	1·71	6	116	49	35·0	M
7	9·2		36	1·74	...		49	33·0	M
664		*Anon.*							
Apl. 16	9·2	13	36	25·17	5	128	6	16·7	R
665		*Anon.*							
Apl. 26	9·5	13	36	42·66	...	144	39	14·4	R
666		*Taylor* 6366.							
Apl. 30	7·0	13	37	5·10	5	151	47	0·3	R
667		*Lacaille* 5659.							
Apl. 25	7·8	13	37	20·42	...	152	14	28·7	R
668		*O. A. S.* 13100.							
June 4	8·0	13	37	23·78	...	116	58	37·0	M
669		*Anon.*							
May 31	9·6	13	37	40·83	...	123	48	56·7	R
670		*Anon.*							
May 30	8·9	13	40	40·97	5	129	24	55·9	R
671		*O. A. S.* 13186.							
May 1	8·4	13	43	55·32	...	116	58	24·1	M
3	7·8		43	55·28	...		58	24·2	M
4	8·4		43	55·12	...		58	21·3	M
672		*O. A. S.* 13198.							
Apl. 30	9·2	13	44	57·78	...	117	11	26·3	R
May 6	9·0		44	57·84	5		11	26·7	M
7	9·1		44	57·94	4		11	26·8	M
673		*Anon.*							
Apl. 26	7·8	13	45	33·92	...	123	23	59·4	R
May 24	8·0		45	34·14	4		23	58·6	R
674		*Anon.*							
Apl. 27	10·0	13	45	41·61	5	123	24	5·0	R
May 8	9·8		45	41·49	3		24	6·1	M
27	10·0		45	41·44	...		24	5·5	R
675		*X Virginis Var.* 5.							
Apl. 25	9·0	13	47	23·99	...	78	16	49·5	R
May 13	8·0		47	23·81	4		16	47·5	M
30	9·2		47	23·92	...		16	47·2	R
June 1	9·2		47	23·53	5		16	48·3	M
5	9·0		47	23·96	4		16	47·8	M
7	9·2		47	24·09	5		16	48·7	M
676		8 *Bootis* η							
Mar. 23	...	13	48	21·11	...	70	56	4·9	R
Apl. 22	...		48	21·17	...		56	4·3	M
May 9	...		48	21·10	...		56	4·6	M
15	...		48	21·12	...		56	4·7	M
31	...		48	21·04	...		56	5·1	R
June 6	...		48	21·08	...		56	5·0	M
10	...		48	21·09	...		56	5·7	M
14	...		48	21·03	...		56	5·8	M
15	...		48	21·09	...		56	4·6	M

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677	*Anon.*								
May 25	9·2	13	50	11·81	5	140	55	8·5	R
678	*Anon.*								
Apl. 19	9·5	13	52	36·56	...	128	2	18·0	R
679	*Anon.*								
May 30	9·7	13	53	18·96	5	135	41	44·5	R
680	*β Centauri.*								
May 1	...	13	54	28·01	...	149	43	47·9	M
681	93 *Virginis* τ								
Mar. 23	...	13	54	52·71	...	87	48	38·8	R
Apl. 18	...		54	52·76	...		48	38·8	R
May 7	...		54	52·70	...		48	38·0	M
8	...		54	52·69	...		48	38·1	M
11	...		54	52·69	...		48	38·3	M
24	...		54	52·73	...		48	37·1	R
31	...		54	52·77	...		48	37·4	R
June 4	...		54	52·73	...		48	39·0	M
6	...		54	52·75	5		48	38·8	M
10	...		54	52·77	...		48	38·5	M
14	...		54	52·75	...		48	38·7	M
15	...		54	52·65	...		48	38·3	M
682	*Lacaille* 5794.								
Apl. 25	7·0	13	57	17·99	...	152	48	28·8	R
683	*Anon.*								
May 25	8·7	13	58	25·16	...	129	20	57·3	R
30	8·0		58	25·22	5		20	57·2	R
684	94 *Virginis.*								
Mar. 21		13	59	15·37	6	98	15	20·6	R
685	95 *Virginis.*								
May 15	...	13	59	40·88	4	98	40	39·3	M
16	...		59	40·82	...		40	39·9	R
686	*Lalande* 25896.								
Apl. 22	7·6	14	0	2·61	...	67	11	43·5	M
687	*Anon.*								
May 27	10·2	14	0	34·41	...	150	52	1·7	R
688	*Taylor* 6585.								
May 13	7·8	14	1	33·07	...	124	14	56·5	M
689	*Anon.*								
May 31	9·2	14	2	12·87	5	124	17	6·0	R
690	*Anon.*								
May 25	8·0	14	5	14·73	...	129	21	11·0	R
30	8·0		5	14·96	...		21	10·2	R
691	*Lacaille* 5844								
Apl. 26	7·3	14	5	17·51	5	151	4	57·1	R
692	98 *Virginis* κ								
Mar. 21	...	14	5	48·23	5	99	30	11·3	R
22	...		5	48·18	...		30	11·2	R
Apl. 18	...		5	48·07	...		30	11·6	R
19	...		5	48·19	...		30	11·5	R
693	*Anon.*								
May 11	8·5	14	6	20·16	...	135	2	10·1	M
June 5	8·3		6	20·35	6		2	10·9	M
7	8·6		6	20·20	...		2	10·5	M
694	99 *Virginis* ι								
May 15	...	14	9	2·25	6	95	21	52·4	M
16	...		9	2·67	4		21	53·1	R

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695		16 *Bootis* α, *Arcturus.*							
May 6	...	14	9	35·71	...	70	7	27·8	M
7	...		9	35·85	...		7	26·6	M
8	...		9	35·66	...		7	26·9	M
13	...		9	35·78	...		7	27·2	M
25	...		9	35·73	...		7	27·6	R
27	...		9	35·77	...		7	27·0	R
28	...		9	35·72	...		7	26·3	R
30	...		9	35·77	...		7	26·5	R
June 1	...		9	35·77	...		7	27·2	M
4	...		9	35·67	...		7	27·9	M
6	...		9	35·66	5		7	28·2	M
10	...		9	35·76	...		7	27·3	M
14	...		9	35·75	...		7	28·0	M
15			9	35·74	...		7	27·2	M
696		*Anon.*							
May 31	9·5	14	11	40·28	...	124	23	24·4	R
697		100 *Virginis* λ							
Apl. 19	...	14	11	54·98	...	102	45	26·7	R
698		*W. B. E. XIV.* 192.							
Apl. 18	7·5	14	12	1·26	...	103	47	33·0	R
699		*Anon.*							
Apl. 26	9·5	14	12	42·24	...	136	50	42·5	R
700		*Anon.*							
May 30	9·5	14	15	30·26	...	122	12	29·3	R
701		*Taylor* 6740.							
June 7	7·4	14	19	16·54	...	133	43	47·4	M
702		*Anon.*							
May 31	8·8	14	19	44·67	...	124	30	10·8	R
June 1	8·5		19	44·66	...		30	12·0	M
703		*Anon.*							
June 5	8·0	14	20	8·62	...	127	9	44·7	M
704		*Lacaille* 5962.							
Apl. 30	7·0	14	22	53·23	4	129	47	33·6	R
705		*Anon.*							
Apl. 30	9·0	14	23	7·11	5	129	46	47·5	R
706		25 *Bootis* ρ							
Apl. 22	...	14	26	5·79	...	59	2	37·4	M
May 6	...		26	5·88	...		2	37·7	M
8	...		26	5·81	...		2	37·9	M
13	...		26	5·79	...		2	37·7	M
15	...		26	5·80	...		2	35·6	M
28	...		26	5·80	...		2	36·9	R
30	...		26	5·77	...		2	37·3	R
June 14	...		26	5·87	...		2	37·9	M
15	...		26	5·89	...		2	37·5	M
22	...		26	6·01	4		2	37·3	M
24	...		26	5·85	...		2	38·0	R
707		*Anon.*							
June 6	9·3	14	26	34·52	4	123	20	51·2	M
708		*Anon.*							
June 5	7·7	14	29	37·83	...	124	56	20·0	R
7	7·0		29	37·64	6		56	20·3	M
10	7·9		29	37·57	...		56	19·2	M
709		*Lacaille* 6027.							
June 4	7·9	14	31	18·11	...	122	48	5·5	M
710		*Taylor* 6848.							
June 1	7·3	14	33	0·34	5	136	42	7·2	M
711		α *Lupi.*							
May 16	...	14	33	5·82	...	136	48	54·9	R
June 26	...		33	5·72	5		48	53·6	M

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712				*Anon.*					
May 25	..	14	33	6·25	5	126	18	35·1	R
713				*Anon.*					
June 24	8·9	14	36	44·43	...	150	18	9·5	M
714				*5 Librae.*					
Mar. 22	...	14	38	38·00	...	104	53	49·7	R
23	...		38	37·96	...		53	49·6	R
715				*36 Bootis ε, Mirac.*					
Apl. 22	...	14	39	10·65	...	62	21	49·9	M
May 25	...		39	10·65	...		21	49·4	R
28	...		39	10·73	...		21	48·7	R
June 5	...		39	10·60	...		21	49·7	M
7	...		39	10·57	..		21	49·3	M
28	...		39	10·72	..		21	49·6	M
716				*Anon.*					
May 23	...	14	40	35·91	5	127	4	32·7	R
717				*Brisbane 5069.*					
June 10	8·0	14	41	35·46	...	131	17	31·3	M
718				*Lalande 27022.*					
June 25	7·8	14	43	22·05	6	78	57	10·4	M
719				*9 Librae α²*					
Mar. 22	...	14	43	31·51	..	105	29	15·5	R
May 16	...		43	31·43	..		29	12·9	R
27	...		43	31·37	...		29	14·9	R
30	...		43	31·47	..		29	14·1	R
June 5	...		43	31·42	5		29	14·8	M
22	...		43	31·39	...		29	14·7	M
720				*Anon.*					
June 21	9·5	14	47	41·57	4	150	41	43·7	M
721				*Anon.*					
June 6	8·9	14	50	34·91	6	130	32	58·5	M
722				*O. A. S. 14112.*					
June 4	7·9	14	51	3·30	...	109	11	27·5	M
28	8·3		51	3·33	...		11	27·8	M
723				*7 Ursae Minoris β Var. 1, Kochab.*					
June 27	...	14	51	7·85	...	15	18	2·8	M
724				*Radcliffe 3306.*					
May 30	7·5	14	56	6·45	5	42	11	45·8	R
725				*Taylor 7936.*					
May 29	...	14	58	5·88	...	62	23	49·4	R
726				*43 Bootis ψ*					
May 24	...	14	58	44·79	...	62	31	55·8	R
June 7	...		58	44·79	...		31	56·5	M
July 2	...		58	44·71	..		31	56·5	R
727				*21 Librae ν¹*					
May 16	...	14	59	12·62	...	105	41	19·6	R
728				*W. B. E. XV. 7.*					
June 14	8·5	15	2	30·34	...	97	21	42·2	M
729				*Taylor 7079.*					
June 10	6·6	15	3	30·99	5	123	7	59·1	M
730				*W. B. E. XV. 32.*					
June 24	8·2	15	3	36·41	6	97	2	15·4	M

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Number and Date.	Magnitude.	Mean Right Ascension 1867. h.	m.	s.	No. of Wires.	Mean Polar Distance 1867. °	′	″	Observer.
731 *R. P. L.* 111.									
June 1	...	15	5	23·56	3	5	32	6·1	M
5	...		5	22·48	1		32	4·5	M
732 *W. B. E. XV.* 86.									
June 28	9·3	15	6	40·88	...	98	2	33·8	M
July 4	9·2		6	41·23	5		2	34·6	R
733 27 *Librae* β									
Apl. 19	...	15	9	51·08	...	98	53	24·7	R
22	...		9	51·13	...		53	24·8	M
May 24	...		9	51·15	...		53	24·4	R
June 22	...		9	50·98	4		53	25·4	M
27	...		9	51·08	...		53	24·2	M
734 *Anon.*									
June 10	7·7	15	12	2·83	6	130	24	41·7	M
735 *Anon.*									
May 27	9·0	15	17	15·87	5	130	4	21·4	R
736 32 *Librae* ζ¹									
Mar. 23	...	15	20	45·64	...	106	15	3·2	R
Apl. 19	...		20	45·47	5		15	1·7	R
June 14	...		20	45·69	...		15	4·2	M
737 *R. P. L.* 114—*s.p.*									
Dec. 14	...	15	21	20·41	1	2	15	42·4	M
738 *Anon.*									
June 1	9·0	15	22	42·73	5	151	37	41·1	R
July 4	...		22	42·91	—		37	39·9	R
739 *Anon.*									
May 21	9·7	15	24	45·15	5	130	9	34·5	R
740 *Anon.*									
July 5	8·3	15	25	11·94	5	122	44	11·9	R
741 *Lacaille* 6421.									
June 28	7·9	15	25	50·19	...	122	43	11·1	M
July 5	7·7		25	50·31	4		43	10·5	R
742 38 *Librae* γ									
Mar. 23	...	15	28	5·36	...	104	20	39·3	R
May 18	...		28	5·46	4		20	38·0	R
June 14	...		28	5·42	...		20	39·1	M
743 5 *Coronae Borealis* α, *Alpheta.*									
June 7	...	15	29	3·58	...	62	50	10·1	M
21	...		29	3·37	4		50	10·7	M
27	...		29	3·41	...		50	10·0	M
July 4	...		29	3·33	5		50	10·6	R
744 *Anon.*									
July 6	10·0	15	29	10·22	4	119	38	26·6	R
745 *Anon.*									
July 6	9·7	15	29	23·71	4	119	41	3·9	R
746 *Lalande* 28530.									
May 16	8·0	15	31	56·46	...	47	25	55·4	R
747 *Taylor* 7300.									
May 27	7·7	15	32	24·94	...	103	37	10·0	R
29	7·7		32	24·89	—		37	10·8	R
748 *Anon.*									
May 21	9·9	15	33	47·51	—	126	35	48·5	R

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Number and Date.	Magnitude.	Mean Right Ascension 1867. h.	m.	s.	No. of Wires.	Mean Polar Distance 1867. °	′	″	Observer.
749		*24 Serpentis α*							
June 7	...	15	37	43·02	...	83	9	14·3	M
22	...		37	43·03	...		9	14·4	M
24	...		37	43·00	...		9	14·1	M
27	...		37	43·07	..		9	13·6	M
28	...		37	43·03	...		9	13·9	M
July 2	...		37	43·10	4		9	14·0	R
4	...		37	43·01	...		9	13·4	R
5	..		37	43·08	5		9	13·0	R
11	...		37	42·97	...		9	13·0	R
12	...		37	43·00	..		9	13·4	R
750		*O. A. S.* 14874.							
May 27	8·0	15	39	38·29	5	104	49	12·1	R
751		*Lalande* 28787.							
July 10	8·8	15	42	15·43	..	92	49	28·0	R
752		*Anon.*							
May 24	9·3	15	42	19·88	...	104	24	56·6	R
753		*Anon.*							
May 29	10·5	15	42	39·97	3	61	47	14·2	R
754		*O. A. S.* 14934.							
July 5	9·7	15	42	59·76	...	107	52	58·2	R
755		*Anon.*							
May 24	9·0	15	44	7·97	5	104	22	9·7	R
756		*W. B. E. XV.* 838.							
June 5	8·0	15	44	9·90	5	104	27	34·5	M
757		*36 Serpentis b*							
July 11	...	15	44	30·20	.	92	41	9·3	R
758		*46 Librae θ*							
May 18	...	15	46	15·24	...	106	20	13·6	R
759		*O. A. S.* 14996.							
May 27	8·9	15	46	41·14	...	105	16	1·1	R
760		*R. P. L.* 115—*s.p.*							
Jan. 7	...	13	48	8·91	3	4	41	27·1	M
Dec. 19	...		48	9·01	3		41	31·5	R
761		*O. A. S.* 15053.							
June 28	8·0	15	49	12·33	...	105	26	30·7	M
July 6	8·0		49	12·32	5		26	28·6	R
762		*W. B. E.* 923.							
July 5	9·8	15	49	28·16	...	104	56	37·5	R
763		*O. A. S.* 15146.							
May 24	9·5	15	54	57·22	...	107	29	20·3	R
764		*O. A. S.* 15148.							
June 24	8·9	15	54	59·87	...	107	47	53·6	M
765		*W. B. E. XV.* 1044.							
May 27	7·7	15	55	59·52	...	95	27	42·1	R
July 6	7·6		55	59·49	...		27	44·6	R
766		*8 Scorpii β*[1]							
June 5	...	15	57	42·35	5	109	26	20·8	M
27	...		57	42·29	5		26	19·6	M
July 2	...		57	42·37	...		26	20·9	R
4	...		57	42·43	...		26	19·7	R
10	...		57	42·38	...		26	19·4	R
11	...		57	42·40	4		26	21·5	R
12	..		57	42·42	...		26	19·8	R
767		*Lalande* 29306.							
June 28	8·0	15	59	36·59	..	107	34	29·4	M

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Number and Date.	Magnitude.	Mean Right Ascension 1867. h.	m.	s.	No. of Wires.	Mean Polar Distance 1867. °	′	″	Observer.
768		*14 Scorpii ν*							
June 14	...	16	4	16·02	...	109	6	47·4	M
15	...		4	16·05	...		6	46·1	M
July 11	...		4	15·96	5		6	41·3	R
12	...		4	16·06	5		6	45·1	R
769		*1 Ophiuchi δ*							
June 21	...	16	7	22·61	...	93	20	59·9	M
July 11	...		7	22·60	...		20	59·1	R
770		*Lalande 29610.*							
July 10	...	16	8	20·45	...	105	32	59·9	R
771		*O. A. S. 15470.*							
May 30	8·0	16	9	19·13	5	112	35	20·5	R
772		*R Scorpii Var. 1.*							
July 5	9·5	16	9	43·57	4	112	36	50·0	R
6	9·5		9	43·61	...		36	48·6	R
773		*S Scorpii Var. 2.*							
June 1	9·9	16	9	44·81	6	112	33	42·2	M
4	10·0		9	44·74	6		33	45·2	M
5	9·9		9	44·97	5		33	45·3	M
7	10·0		9	44·93	4		33	44·1	M
774		*Anon.*							
July 5	8·7	16	9	53·80	3	112	31	4·3	R
775		*Anon.*							
July 4	8·0	16	14	27·36	...	144	11	32·2	R
776		*4 Ophiuchi ψ*							
June 14	...	16	16	19·50	5	109	43	25·4	M
15	...		16	19·22	...		43	24·9	M
777		*O. A. S. 15613.*							
June 28	7·9	16	17	25·91	...	113	9	2·8	M
778		*21 Scorpii α, Antares.*							
July 10	...	16	21	15·38	...	116	8	1·4	R
779		*40 Herculis ζ*							
July 5	...	16	36	16·26	...	58	9	16·7	R
6	...		36	16·29	...		9	18·2	R
10	...		36	16·30	...		9	17·2	R
780		*Lacaille 6984.*							
July 4	8·7	16	39	51·74	3	120	57	45·6	R
781		*Anon.*							
July 5	9·3	16	44	47·50	...	130	18	30·6	R
782		*Anon.*							
July 6	10·3	16	45	1·68	4	75	17	3·9	R
783		*Taylor 7815.*							
July 5	7·5	16	45	42·30	4	130	18	13·3	R
784		*S Herculis Var. 3.*							
Aug. 6	6·9	16	45	50·51	4	74	49	57·9	M
785		*49 Herculis.*							
July 4	7·0	16	46	1·33	5	74	48	3·2	R
786		*Taylor 7832.*							
July 5	8·0	16	47	41·26	5	130	17	49·5	R
787		*Taylor 7842.*							
July 12	...	16	48	21·27	5	103	35	29·0	R

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Number and Date.	Magnitude.	Mean Right Ascension 1867. h.	m.	s.	No. of Wires.	Mean Polar Distance 1867. °	'	"	Observer.
788		*Anon.*							
July 23	...	16	49	5·74	3	125	31	35·6	R
789		27 *Ophiuchi* κ							
June 1	.	16	51	22·36	6	80	24	58·4	M
28	—		51	22·29	5		24	57·7	M
July 20	...		51	22·41	...		24	56·8	R
790		29 *Ophiuchi.*							
Apl. 22	.	16	54	4·56	3	108	41	13·9	M
791		*O. A. S.* 16233.							
July 30	8·0	16	54	9·45	4	110	23	50·8	R
792		*Anon.*							
July 23	8·3	16	55	27·43	6	109	56	49·5	R
793		*O. A. S.* 16288.							
Aug. 10	7·7	16	56	38·63	4	119	50	24·5	M
794		22 *Ursae Minoris* ε—*s.p.*							
Jan. 14	...	16	59	42·79	3	7	45	0·0	R
Feb. 11	...		59	42·02	3		44	59·0	M
795		*R Ophiuchi Var.* 2.							
June 4	7·8	17	0	7·81	...	105	54	45·5	M
7	7·9		0	7·82	...		54	46·6	M
10	8·0		0	7·93	...		54	47·1	M
796		35 *Ophiuchi* η							
June 15	..	17	2	44·83	—	105	33	26·6	M
July 12	...		2	45·07	...		33	26·3	R
797		*Anon.*							
Aug. 10	8·0	17	5	56·72	...	130	50	30·0	M
798		*Anon.*							
July 31	9·0	17	6	19·26	...	130	54	14·7	R
799		64 *Herculis* α *Var.* 1.							
June 1	...	17	8	35·03	4	75	27	22·1	M
July 23	...		8	34·91	...		27	21·0	R
30	...		8	34·94	...		27	22·3	R
800		*Taylor* 8017.							
June 4	6·9	17	13	32·30	4	114	46	8·3	M
801		42 *Ophiuchi* θ							
June 17	...	17	13	50·50	...	114	51	50·1	M
July 6	...		13	50·63	...		51	49·9	R
23	...		13	50·56	...		51	49·2	R
30	..		13	50·54	...		51	49·4	R
802		*Anon.*							
July 23	9·0	17	21	16·76	...	130	43	44·7	R
Aug. 6	8·0		21	16·65	5		43	46·0	M
803		*Anon.*							
July 30	9·3	17	21	25·74	.	130	45	50·2	R
804		*Anon.*							
July 31	9·7	17	27	14·81	...	130	35	48·1	R
805		23 *Draconis* β							
Aug. 8	...	17	27	25·61	...	37	35	57·1	M
806		55 *Ophiuchi* α							
June 5	..	17	28	45·69	...	77	20	28·1	M
July 5	.		28	45·66	...		20	26·8	R
6	...		28	45·59	...		20	28·6	R
20	—		28	45·62	...		20	28·2	R
23	.		28	45·55	...		20	27·7	R
30	...		28	45·59	...		20	28·4	R
Aug. 7	...		28	45·52	...		20	28·5	M
23	..		28	45·67	...		20	27·5	R

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807		*Taylor* 8141.			
Apl. 22	6·0	17 30 45·50	...	111 49 52·0	M
808		*Anon.*			
July 31	9·8	17 34 46·39	4	128 35 28·6	R
Aug 21	10·0	34 46·36	3	35 29·4	R
809		*Anon.*			
July 23	9·9	17 34 46·51	5	126 15 7·4	R
810		*Anon.*			
July 6	9·2	17 36 18·98	...	150 36 11·8	R
811		58 *Ophiuchi*.			
Apl. 22	...	17 36 27·75	2	111 36 55·7	M
812		*Anon.*			
July 6	9·4	17 36 39·44	5	150 37 13·4	R
813		*Anon.*			
July 30	9·0	17 37 52·05	..	126 29 24·4	R
814		*Anon.*			
July 8	8·0	17 39 45·53	...	127 21 43·8	R
815		*Anon.*			
July 23	8·0	17 39 56·07	4	127 14 41·1	R
816		*Anon.*			
Aug 7	8·3	17 40 7·93	...	126 28 26·9	M
817		86 *Herculis* μ			
June 17	...	17 41 15·21	...	62 11 59·2	M
25	...	41 15·27	4	11 59·6	M
July 12	...	41 15·15	...	11 58·9	R
20	...	41 15·21	5	11 59·5	R
Aug. 6	...	41 15·19	...	11 60·0	M
21	...	41 15·20	...	11 59·2	R

Number and Date.	Magnitude.	Mean Right Ascension 1867. h. m. s.	No. of Wires.	Mean Polar Distance 1867. ° ′ ″	Observer.
818		*Radcliffe* 3765.			
July 31	8·3	17 43 41·47	4	17 32 1·3	R
819		*Anon.*			
July 8	8·3	17 45 13·70	5	128 35 23·4	R
10	...	45 13·85	5	35 21·5	R
23	8·9	45 13·71	4	35 22·5	R
820		*Lacaille* 7499.			
Aug. 7	7·2	17 48 27·83	4	120 4 44·3	M
8	7·1	48 27·64	...	4 44·4	M
10	7·0	48 27·82	...	4 44·6	M
821		*Taylor* 8288.			
June 17	6·0	17 48 40·02	...	105 47 10·7	M
822		*Lacaille* 7504.			
Aug. 6	6·9	17 48 44·46	5	129 6 53·1	M
823		4 *Sagitarii* *b*			
Aug. 21	...	17 51 40·31	...	113 17 44·9	R
824		*Anon.*			
July 23	9·0	17 59 36·81	..	150 26 10·6	R
31	9·0	59 36·73	5	26 9·7	R
825		13 *Sagitarii* μ^1			
June 17	...	18 5 48·49	...	111 5 27·4	M
28	...	5 48·54	...	5 26·9	M
July 8	...	5 48·51	...	5 27·3	R
Aug. 3	...	5 48·32	...	5 25·9	R
6	...	5 48·45	...	5 26·9	M
7	...	5 48·54	...	5 27·1	M
8	...	5 48·35	...	5 26·6	M
10	...	5 48·49	...	5 27·7	M
14	...	5 48·47	...	5 26·4	M

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Number and Date.	Magnitude.	Mean Right Ascension 1867. h.	m.	s.	No. of Wires.	Mean Polar Distance 1867. °	′	″	Observer.
826	*Lacaille* 7644.								
July 10	6·7	18	9	9·68	...	132	19	59·6	R
827	*Anon.*								
July 31	8·8	18	13	7·00	...	127	48	58·4	R
828	23 *Ursae Minoris* δ								
July 4	...	18	15	14·66	3	3	23	41·7	R
5			15	15·11	3		23	40·7	R
Aug. 6			15	15·09	3		23	42·1	M
	23 *Ursae Minoris* δ—*s.p.*								
Jan. 23	...	18	15	15·10	2	3	23	40·9	R
829	21 *Sagittarii.*								
July 8	...	18	17	25·61	...	110	36	36·7	R
830	*Taylor* 8509.								
July 8	...	18	21	36·90	...	104	38	52·5	R
Aug. 10	...		21	36·97	...		38	51·8	M
831	*Anon.*								
July 31	.	18	23	14·79	5	135	15	42·2	R
832	θ *Coronae Australis.*								
Aug. 6	6·6	18	23	59·97	...	132	24	17·6	M
833	*Anon.*								
July 6	10·3	18	29	30·48	3	136	55	20·1	R
834	*Anon.*								
July 8	8·9	18	29	30·20	5	135	51	46·4	R
23	9·0		29	30·23	...		51	47·9	R
835	3 *Lyrae* α, *Vega.*								
July 18	..	18	32	26·00	5	51	20	19·9	R
31	...		32	26·04	3		20	18·7	R
Aug. 8	...		32	26·08	3		20	18·7	M
14	...		32	26·05			20	20·2	M
20	...		32	26·05	.		20	18·8	R
836	*Anon.*								
July 10	9·3	18	35	12·89	3	137	16	7·4	R
837	*Anon.*								
July 23	9·3	18	36	2·46	...	137	10	52·1	R
838	*Anon.*								
Aug. 28	9·0	18	40	37·19	...	127	27	25·8	R
839	10 *Lyrae* β *Var.* 1.								
June 17	...	18	45	10·08	...	56	47	25·0	M
19	...		45	10·07	...		47	25·0	M
July 8	..		45	9·97	...		47	25·8	R
25	...		45	10·05	5		47	26·0	R
31	..		45	10·04	4		47	24·6	R
Aug. 3	..		45	10·09	3		47	24·2	M
8	...		45	10·13	3		47	25·4	M
10	...		45	10·10	.		47	25·0	M
20	..		45	10·07	5		47	25·5	R
21	...		45	9·95	5		47	24·8	R
24	...		45	10·09	..		47	26·1	R
27	...		45	10·12	5		47	24·6	R
Sep. 6	...		45	10·16	...		47	23·5	M
840	*Anon.*								
July 6	8·2	18	46	2·94	...	126	40	41·3	R
841	*Lacaille* 7919.								
Aug. 28	8·0	18	47	55·24	...	120	4	56·6	R
842	*O. A. S.* 18960.								
Aug. 21	7·0	18	53	49·98	...	121	7	25·2	R

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843			*39 Sagittarii ο*						
June 17	...	18	56	42·66	...	111	56	0·9	M
844			*17 Aquilae ζ*						
June 19	...	18	59	17·58	...	76	19	56·3	M
July 8	...		59	17·72	...		19	56·4	R
18	...		59	17·77	...		19	55·7	R
23	...		59	17·71	..		19	55·4	R
25	..		59	17·72	...		19	56·5	R
Aug. 3	...		59	17·65	...		19	57·3	M
8	..		59	17·69	...		19	56·5	M
10	.		59	17·65	...		19	56·5	M
20	..		59	17·72	...		19	55·3	R
21	...		59	17·72	...		19	55·8	R
24	...		59	17·77	...		19	55·2	R
Sep. 10	...		59	17·85	...		19	55·2	M
845			*41 Sagittarii π*						
June 17	...	19	1	51·16	...	111	13	56·5	M
846			*Anon.*						
Aug. 27	9·3	19	5	21·17	...	126	28	0·1	R
28	9·3		5	21·07	...		28	0·7	R
847			*Anon.*						
July 25	...	19	7	18·60	4	129	47	25·3	R
848			*Anon.*						
July 25	...	19	8	30·65	4	129	48	45·5	R
849			*Anon.*						
Aug. 28	8·3	19	10	19·98	5	146	12	40·1	R
850			*25 Aquilae ω*						
June 19	...	19	11	34·32	...	78	38	32·9	M
July 18	...		11	34·30	...		38	32·7	R
Aug. 10	...		11	34·31	...		38	31·4	M
20	...		11	34·30	...		38	31·5	R
24	...		11	34·26	...		38	31·3	R
Sep. 11	...		11	34·47	6		38	32·1	M
851			*30 Aquilae δ*						
June 18	..	19	18	47·46	...	87	8	53·4	M
19	...		18	47·44	...		8	52·7	M
July 18	...		18	47·47	...		8	53·9	R
25	.		18	47·42	...		8	54·2	R
Aug. 24	...		18	47·42	...		8	52·6	R
27	...		18	47·40	...		8	52·5	R
Sep. 6	...		18	47·41	...		8	52·4	M
852			*Anon.*						
Aug. 28	9·3	19	19	21·58	...	128	38	7·2	R
853			*Anon.*						
Aug. 28	9·0	19	25	22·14	...	127	48	58·8	R
854			*52 Sagittarii h²*						
Aug. 21	...	19	28	36·57	...	115	10	28·4	R
27	...		28	36·53	..		10	27·6	R
855			*Anon.*						
Aug. 28	8·0	19	31	11·37	...	127	42	5·7	R
856			*Anon.*						
Aug. 28	8·0	19	34	2·07	...	127	41	53·3	R
857			*55 Sagittarii e²*						
June 19	.	19	34	54·46	...	106	25	59·4	M
858			*50 Aquilae γ*						
July 27	...	19	30	56·09	...	79	42	31·2	R
31	...		30	56·11	...		42	31·3	R
Aug. 6	...		30	56·13	...		42	31·7	M
28	...		30	56·04	...		42	32·2	R
Sep. 6	...		30	56·07	...		42	31·5	M
10	...		30	56·01	...		42	31·0	M
859			*O. A. S. 19926.*						
July 18	9·5	19	42	27·58	...	106	11	37·3	R

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860		*53 Aquilae α, Altair.*							
July 27	...	19	44	17·51	...	81	28	49·5	R
31	...		44	17·55	...		28	50·8	R
Aug. 26	...		44	17·49	5		28	49·9	R
28	.		44	17·50	...		28	50·2	R
861		*55 Aquilae η Var. 1.*							
Sep. 10	...	19	45	41·71	5	89	20	1·2	M
862		*60 Aquilae β*							
June 20	...	19	48	46·64	...	83	55	24·0	M
July 19	...		48	46·74	...		55	24·6	R
27	...		48	46·76	5		55	24·0	R
31	...		48	46·73	...		55	23·6	R
Aug. 6	...		48	46·67	...		55	24·5	M
27	...		48	46·70	...		55	23·9	R
Sep. 6	...		48	46·70	...		55	23·4	M
863		*λ Ursae Minoris.*							
Aug. 27	..	19	57	13·06	1	1	5	23·8	R
Sep. 6	.		57	13·88	1		5	25·0	M
		λ Ursae Minoris—s.p.							
Feb. 27	...	19	57	13·32	7	1	5	25·1	R
Mar. 6	...		57	13·06	2		5	24·5	M
7	..		57	12·90	3		5	24·7	M
15	..		57	12·91	1		5	24·9	M
864		*Anon.*							
Aug. 28	9·3	19	59	27·77	5	129	10	55·1	R
865		*S Cygni Var. 4.*							
July 19	9·5	20	2	43·30	...	32	23	1·4	R
866		*S Aquilae Var. 4.*							
Aug. 28	..	20	5	31·08	...	74	47	53·3	R
867		*Lacaille 8370.*							
Oct. 1	7·6	20	7	13·98	...	152	18	42·3	M
868		*O. A. S. 20356.*							
Aug. 16	9·0	20	8	31·97	...	110	25	36·6	R
869		*6 Capricorni α²*							
Aug. 7	...	20	10	40·31	...	102	57	18·5	M
14	...		10	40·31	...		57	18·0	M
23	...		10	40·30	5		57	18·1	R
Sep. 10	...		10	40·26	...		57	17·2	M
11	...		10	40·30	...		57	17·8	M
870		*Anon.*							
Oct. 2	7·6	20	11	25·51	5	106	16	10·7	M
871		*Lalande 39045.*							
Oct. 5	6·6	20	12	11·36	5	60	2	39·0	M
872		*34 Cygni Var. 1.*							
Sep. 6	6·0	20	12	53·06	6	52	22	45·4	M
873		*9 Capricorni β*							
June 19	...	20	13	32·09	...	105	11	56·8	M
20	...		13	32·03	...		11	56·6	M
874		*Lalande 39125.*							
July 19	8·0	20	15	41·33	5	106	12	48·0	R
875		*Anon.*							
Oct. 3	9·0	20	15	54·03	5	106	16	51·2	M
876		*Anon.*							
Aug. 27	9·8	20	17	1·92	5	121	11	18·7	R

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877			*11 Capricorni ρ*						
June 18	...	20	21	16·20	5	108	15	4·9	M
19	...		21	16·22	...		15	4·3	M
20	...		21	16·19	...		15	3·7	M
Aug. 15	...		21	16·14	5		15	3·9	M
26	...		21	16·35	4		15	6·5	R
28	...		21	16·24	...		15	4·8	R
Sep. 10	...		21	16·05	...		15	4·4	M
Oct. 1	...		21	16·20	4		15	3·2	M
4	...		21	16·24	...		15	4·5	M
878			*Anon.*						
Oct. 2	8·6	20	23	10·14	6	125	57	53·8	M
5	8·6		23	10·12	5		57	52·4	M
879			*Anon.*						
July 19	8·7	20	23	27·03	...	124	56	27·3	R
880			*Lalande 39525.*						
Oct. 8	7·0	20	25	5·04	6	86	1	54·2	M
881			*Anon.*						
July 18	...	20	26	32·20	5	121	12	4·1	R
882			*Anon.*						
Aug. 16	9·0	20	27	34·47	...	121	5	21·7	R
883			*Anon.*						
Aug. 16	9·5	20	28	54·11	5	121	5	51·5	R
884			*Anon.*						
Sep. 23	9·0	20	29	59·00	...	143	51	26·6	R
885			*Anon.*						
July 19	9·3	20	31	42·69	...	124	40	12·9	R
886			*Taylor 9518.*						
Aug. 14	7·0	20	32	6·35	.	105	26	27·3	M
Sep. 6	7·1		32	6·39	...		26	26·3	M
887			*Anon.*						
Sep. 26	9·2	20	34	52·15	...	128	13	8·2	R
Oct. 2	8·7		34	51·85	...		13	8·3	M
888			*Anon.*						
Oct. 3	8·6	20	35	58·17	...	124	59	44·1	M
889			*Anon.*						
Sep. 20	..	20	36	46·48	4	148	22	57·0	R
23	8·5		36	46·42	..		22	57·6	R
890			*50 Cygni α, Deneb.*						
June 18	...	20	36	53·84	...	45	11	37·9	M
Aug. 15	...		36	53·89	...		11	37·8	M
Sep. 11	...		36	53·71	...		11	39·6	M
19	...		36	53·83	...		11	39·7	R
891			*Anon.*						
Sep. 26	10·4	20	39	23·25	4	74	4	49·4	R
892			*O. A. S. 20841.*						
Oct. 5	7·9	20	39	23·79	.	116	53	58·8	M
7	7·9		39	23·89	...		53	58·9	M
8	7·9		39	23·82	...		53	58·9	M
893			*2 Aquarii ε*						
Aug. 24	...	20	40	28·45	5	99	58	50·5	R
894			*Anon.*						
Sep. 23	9·3	20	43	48·16	...	124	57	31·1	R
895			*6 Aquarii μ*						
Sep. 19	...	20	45	28·64	...	99	28	50·9	R

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Number and Date.	Magnitude.	Mean Right Ascension 1867. h.	m.	s.	No. of Wires.	Mean Polar Distance 1867. °	′	″	Observer.
896			*32 Vulpeculae.*						
Aug. 15	...	62	48	53·40	...	62	26	48·2	M
16	...		48	53·51	...		26	49·3	M
Sep. 19	...		48	53·48	5		26	49·1	R
20	...		48	53·45	...		26	49·1	R
23	...		48	53·47	5		26	51·0	R
24	...		48	53·46			26	48·9	R
26	...		48	53·47	5		26	49·9	R
30	...		48	53·40	5		26	49·6	R
Oct. 10	...		48	53·56	...		26	48·6	M
897			*Anon.*						
Oct. 1	9·0	20	50	55·09	5	148	15	10·8	M
898			*Lacaille* 8630.						
Sep. 27	7·0	20	51	35·61	5	126	38	31·4	R
899			*Anon.*						
Sep. 26	9·5	20	57	56·15	...	120	24	36·3	R
27	9·7		57	56·26	...		24	38·1	R
900			*ε Microscopii.*						
Sep. 24	...	20	57	59·14	...	120	39	3·7	R
Oct. 7	6·8		57	59·01	...		39	4·8	M
9	6·7		57	58·98	...		39	4·0	M
901			*23 Capricorni θ*						
Oct. 8	...	20	58	28·27	...	107	45	34·9	M
902			*Anon.*						
Aug. 16	9·7	20	59	53·99	6	129	0	47·7	R
21	..		59	53·78	4		0	46·6	R
903			*Anon.*						
Oct. 9	9·0	21	0	41·11	4	120	4	3·2	M
10	8·9		0	41·01	...		4	3·5	M

Number and Date.	Magnitude.	Mean Right Ascension 1867. h.	m.	s.	No. of Wires.	Mean Polar Distance 1867. °	′	″	Observer.
904			*61 Cygni—1st*						
Sep. 19	...	21	0	56·22	5	51	54	12·2	R
23	...		0	56·05	...		54	13·5	R
30	...		0	56·12	5		54	12·5	R
905			*61 Cygni—2nd*						
Sep. 20	...	21	0	57·40	.	51	54	18·6	R
906			*Anon.*						
Oct. 2	9·0	21	1	22·14	...	119	59	42·8	M
3	9·2		1	22·35	...		59	41·0	M
907			*13 Aquarii ν*						
July 18	..	21	2	20·68	..	101	54	30·8	R
Oct. 8	...		2	20·85	5		54	30·3	M
908			*64 Cygni ζ*						
June 20	...	21	7	16·51	...	60	19	3·1	M
July 19	...		7	16·44	...		19	4·1	R
Sep. 19	..		7	16·51	...		19	3·9	R
20	...		7	16·47	...		19	2·9	R
23	...		7	16·46	...		19	4·0	R
24	...		7	16·56	..		19	2·7	R
26	...		7	16·49	...		19	2·4	R
Oct. 1	...		7	16·58	..		19	2·5	M
909			*Anon.*						
Aug. 16	9·3	21	13	59·42	...	128	59	31·2	R
Sep. 26	9·5		13	59·57	..		59	35·6	R
910			*Anon.*						
Aug. 27	7·8	21	14	30·35	5	125	28	37·7	R
Sep. 20	...		14	30·73	...		28	38·6	R
911			*32 Capricorni ι*						
June 20	...	21	14	49·98	3	107	23	57·4	M
Sep. 10	.		14	50·12	...		23	57·6	M
11			14	50·36	4		23	57·6	M

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912				*Anon.*					
July 19	...	21	18	48·38	5	153	51	51·7	R
Oct. 3	9·1		18	48·49	.		51	47·5	M
5	9·1		18	48·46	...		51	47·4	M
913				*Anon.*					
Oct. 1	7·9	21	20	19·50	5	150	47	4·0	M
914				*Anon.*					
Aug. 16	8·0	21	21	21·65	...	128	55	32·4	R
Oct. 2	8·0		21	21·78	...		55	32·0	M
915				*Lacaille* 8829.					
Aug. 27	7·0	21	22	46·49	...	127	7	46·5	R
Sep. 6	7·4		22	46·51	5		7	47·0	M
916				*Anon.*					
Oct. 7	9·9	21	23	7·98	...	110	6	41·8	M
917				22 *Aquarii* β					
July 19	..	21	24	33·31	...	96	9	17·5	R
Sep. 20	.		24	33·34	6		9	16·9	R
23	...		24	33·34	...		9	18·3	R
27	...		24	33·43	...		9	17·7	R
30	...		24	33·35	4		9	17·3	R
Oct. 4	.		24	33·33	.		9	17·6	M
8	..		24	33·29	...		9	18·1	M
918				*Anon.*					
Sep. 26	..	21	27	15·97	...	132	37	30·9	R
919				*Anon.*					
Aug. 27	7·7	21	29	54·66	...	127	45	35·1	R
920				40 *Capricorni* γ					
June 20	...	21	33	43·01	3	107	15	42·7	M
Sep. 10	...		33	42·89	...		15	41·7	M
921				*Taylor* 10068.					
Sep. 26	7·2	21	34	32·53	...	134	5	54·5	R
Oct. 2	7·1		34	32·38	.		5	56·0	M
922				*Taylor* 10065.					
Sep. 6	6·6	21	34	40·68	5	145	6	17·8	M
923				*Anon.*					
Oct. 3	8·3	21	34	56·23	...	133	59	40·1	M
924				8 *Pegasi* ε					
Aug. 16	...	21	37	39·17	...	80	44	1·6	R
Sep. 13	...		37	39·09	..		43	58·9	M
24	...		37	39·18	..		43	59·9	R
27	...		37	39·13	...		44	0·1	R
Oct. 1	...		37	39·05	...		43	59·3	M
5	...		37	39·09	..		44	0·0	M
7	...		37	39·25	...		44	1·2	M
10	...		37	38·92	.		44	1·0	M
925				*Anon.*					
Aug. 27	9·2	21	37	51·03	...	127	47	22·8	R
926				48 *Capricorni* λ					
Oct. 8	...	21	39	22·40	...	101	58	40·9	M
9	.		39	22·33	...		58	39·9	M
927				49 *Capricorni* δ					
Aug. 14	...	21	39	41·69	...	105	43	46·5	M
15	...		39	41·66	4		43	45·8	M
928				*Anon.*					
Aug. 27	9·3	21	41	6·10	...	127	46	38·7	R
Sep. 26	9·7		41	6·30	...		46	40·1	R
929				*Taylor* 10126.					
Oct. 4	7·0	21	41	11·11	4	137	13	34·7	M

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930			*Anon.*						
Oct. 2	8·8	21	43	4·19	4	132	30	37·8	M
931			*Anon.*						
July 18	7·7	21	45	13·06	...	127	31	7·3	R
Sep. 6	7·3		45	12·99	6		31	6·5	M
932			*51 Capricorni μ*						
Aug. 14	...	21	46	2·46	..	104	10	35·7	M
Oct. 8	...		46	2·50	..		10	36·3	M
9	...		46	2·62	...		10	35·5	M
933			*16 Pegasi.*						
Aug. 16	...	21	47	0·53	...	64	41	58·5	R
26	...		47	0·53	5		41	58·9	R
Sep. 26	...		47	0·61	...		41	59·9	R
27	...		47	0·65	5		42	0·2	R
934			*Anon.*						
Sep. 21	9·5	21	50	52·91	...	127	28	35·8	R
Oct. 7	9·3		50	52·83	5		28	35·3	M
935			*Anon.*						
July 18	9·0	21	52	56·64	...	127	29	47·0	R
Aug 27	9·2		52	56·56			29	46·2	R
Sep. 24	9·2		52	56·54			29	47·8	R
936			*Anon.*						
Sep. 26	9·0	21	52	58·44		129	31	50·6	R
27	9·0		52	58·52			31	49·5	R
Oct. 3	8·2		52	58·52	...		31	50·9	M
937			*ε Indi.*						
Oct. 1	5·8	21	53	10·18	6	147	19	50·7	M
10	5·9		53	10·06	..		19	51·1	M
938			*Lacaille 9006.*						
Sep. 27	7·5	31	56	20·23	.	120	31	1·1	R
Oct. 5	7·1		56	20·24			31	2·7	M
939			*34 Aquarii α*						
Sep. 13	...	21	58	56·96	5	90	57	53·9	M
26			58	57·14	.		57	54·0	R
Oct. 2	...		58	57·07	...		57	54·8	M
8			58	57·01	...		57	54·1	M
940			*33 Aquarii ι*						
July 18	...	21	59	15·03	...	104	30	50·1	R
19	...		59	15·01	...		30	50·3	R
941			*W. B. E. XXI. 1413.*						
Sep. 24	9·0	22	1	58·24	...	78	8	55·6	R
942			*Anon.*						
Sep. 27	9·7	22	3	21·97	...	129	4	27·9	R
943			*43 Aquarii θ*						
July 18	...	22	9	48·77	...	98	26	41·0	R
Oct. 2	...		9	48·74	...		26	40·9	M
3			9	48·66	...		26	40·7	M
4	...		9	48·73			26	40·7	M
5	...		9	48·84			26	39·8	M
7	...		9	48·78	...		26	40·6	M
10			9	48·70	...		26	41·1	M
19			9	48·73	...		26	41·3	R
944			*Anon.*						
Sep 26	8·2	22	12	14·21	..	129	25	48·2	R
945			*Anon.*						
Sep. 27	7·5	22	12	39·64	5	150	36	55·8	R
946			*Anon.*						
Sep. 26	9·0	22	14	54·81	...	120	25	26·3	R
Oct 22	9·2		14	54·70	5		25	27·0	R
947			*Anon*						
Oct. 5	9·2	22	19	2·14	6	140	44	53·8	M
7	9·2		19	2·13	...		44	52·8	M

Separate Results of Madras Meridian Circle Observations in 1867.

	Number and Date.	Magnitude.	Mean Right Ascension 1867. h.	m.	s.	No. of Wires.	Mean Polar Distance 1867. °	′	″	Observer.
948	*R. P. L.* 150.									
	Sep. 21	..	22	23	27·55	3	4	33	46·6	R
	Oct. 1			23	27·41	3		33	45·9	M
	8	...		23	27·56	2		33	47·0	M
	R. P. L. 150.—*s.p.*									
	Mar. 1	...	22	23	28·13	2	4	33	45·3	M
	12	..		23	27·76	2		33	48·6	M
	Apl. 1	...		23	27·42	3		33	48·3	M
	10	...		23	27·04	1		33	48·8	M
	15	..		23	27·18	3		33	46·3	M
949	57 *Aquarii* σ									
	Aug. 15	...	22	23	36·22	...	101	21	27·8	M
	16	...		23	36·51	...		21	26·4	R
	Oct. 9	...		23	36·24	...		21	27·9	M
	10	...		23	36·29	...		21	28·9	M
950	*Anon.*									
	Oct. 22	8·2	22	23	52·92	5	130	39	34·2	R
951	27 *Cephei* δ *Var.* 1.									
	Oct. 2	...	22	24	14·17	5	32	15	54·7	M
	3	...		24	14·25	...		15	54·8	M
952	*Anon.*									
	Oct. 19	9·3	22	24	47·95	5	129	43	46·9	R
953	62 *Aquarii* η									
	Oct. 2	...	22	28	31·27	4	90	48	8·8	M
	9	...		28	31·17	4		48	8·5	M
	18	...		28	31·17	...		48	7·8	R
	Nov. 1	...		28	31·30	..		48	8·2	M
954	*R. P. L.* 153.									
	Nov. 2	..	22	29	6·81	1	7	30	36·7	M
955	63 *Aquarii* κ [illegible]									
	Aug. 15		22	30	51·88	...	91	54	48·4	M
	16	.		30	52·02	...		54	49·2	R
956	*Anon.*									
	Oct. 7	8·9	22	34	24·37	4	155	30	24·8	M
957	42 *Pegasi* ζ									
	Oct. 1	...	22	34	49·64	..	79	51	43·8	M
	2	..		34	49·59	.		51	43·5	M
	3	.		34	49·68	5		51	43·6	M
	5	...		34	49·70	...		51	43·3	M
	9	...		34	49·63	...		51	44·1	M
	18	...		34	49·70	..		51	44·6	R
	19	...		34	49·74	...		51	44·2	R
	21	...		34	49·70	...		51	43·5	R
	22	...		34	49·73	..		51	43·4	R
	Nov. 4	...		34	49·74	...		51	43·5	M
	5	...		34	49·78	..		51	44·0	M
958	67 *Aquarii.*									
	July 19	...	22	36	17·83	...	97	30	32·0	R
959	*Anon.*									
	Oct. 8	8·2	22	38	40·89	5	130	26	[illegible]	M
960	*Anon.*									
	Oct. 21	9·5	22	43	37·36	..	130	35	42·7	R
961	*Anon.*									
	Nov. 5	8·0	22	44	52·01	...	136	40	20·0	M
962	73 *Aquarii* λ									
	July 19	..	22	45	40·11	...	98	17	13·2	R
	Oct. 9			45	40·46	...		17	12·2	M
	10	..		45	40·35	...		17	12·2	M

Separate Results of Madras Meridian Circle Observations in 1867.

Number and Date	Magnitude	Mean Right Ascension 1867. h.	m.	s.	No. of Wires	Mean Polar Distance 1867. °	′	″	Observer
963 *Anon.*									
Oct. 22	9·5	22	47	38·83	5	128	56	54·4	R
964 *Anon.*									
Sep. 24	9·5	22	48	15·84	5	132	34	14·8	R
Oct. 3	9·0		48	15·64	5		34	14·5	M
965 *O. A. S. 22500.*									
Oct. 5	8·0	22	49	10·43	4	119	18	54·4	M
7	8·5		49	10·39	6		18	56·6	M
966 *S Aquarii Var. 2.*									
Sep. 23	10·2	22	49	58·98	5	111	3	9·8	R
967 *2 Piscis Australis α, Fomalhaut.*									
Oct. 4	...	22	50	17·54	...	120	19	36·4	M
18	...		50	17·65	5		19	34·5	R
Nov. 6	...		50	17·82	...		19	36·4	M
8	...		50	17·56	5		19	35·7	M
968 *Anon.*									
Sep. 20	8·0	22	53	34·63	...	128	4	20·4	R
Oct. 8	7·9		53	34·62	6		4	21·2	M
969 *Anon.*									
Sep. 26	...	22	54	49·79	3	101	42	8·6	R
970 *53 Pegasi β Var. 1, Scheat.*									
Nov. 11	5·9	22	57	19·89	6	62	39	17·4	M
971 *Anon.*									
Oct. 31	9·5	22	57	20·82	...	57	10	42·7	R
972 *Anon.*									
Oct. 21	9·0	22	57	22·47	4	149	37	3·2	R
973 *54 Pegasi α, Markab.*									
Oct. 7	...	22	58	8·13	5	75	30	36·6	M
9	...		58	8·20	...		30	36·3	M
22	...		58	8·22	...		30	36·8	R
24	...		58	8·13	...		30	35·4	R
25	...		58	8·18	...		30	35·8	R
974 *R Pegasi Var. 2.*									
Oct. 29	8·5	22	59	58·20	5	80	10	28·2	R
975 *Anon.*									
Oct. 30	9·2	23	3	16·80	...	127	29	6·2	R
976 *90 Aquarii φ*									
Aug. 16		23	7	26·02	...	96	45	56·7	R
Sep. 13	...		7	26·13	2		45	56·9	M
977 *Anon.*									
Oct. 21	8·7	23	7	35·78	...	129	54	6·3	R
29	8·0		7	35·94	5		54	6·1	R
Nov. 2	7·9		7	35·85	...		54	6·6	M
978 *Anon.*									
Oct. 2	9·0	23	10	0·79	5	131	43	30·5	M
8	8·9		10	0·91	6		43	30·6	M
979 *6 Piscium γ*									
Oct. 10	...	23	10	16·31	...	87	26	38·5	M
19	...		10	16·17	...		26	38·9	R
22	...		10	16·15	...		26	39·3	R
24	...		10	16·26	...		26	39·1	R
25	...		10	16·19	...		26	38·6	R
26	...		10	16·20	...		26	38·0	R
28	...		10	16·21	...		26	38·6	R
31	...		10	16·28	...		26	38·1	R
Nov. 1	...		10	16·23	...		26	39·1	M
4	...		10	16·18	...		26	37·6	M

Separate Results of Madras Meridian Circle Observations in 1867.

Number and Date.	Magnitude.	Mean Right Ascension 1867. h.	m.	s.	No. of Wires.	Mean Polar Distance 1867. °	′	″	Observer.
980		*93 Aquarii ψ²*							
Nov. 6	...	23	10	59·37	...	99	54	30·1	M
981		*Anon.*							
Sep. 26	9·0	23	11	44·27	5	131	7	10·7	R
Oct. 30	9·3		11	44·28	...		7	12·9	R
982		*Anon.*							
Oct. 19	9·5	23	17	4·35	...	127	26	29·6	R
983		*Anon.*							
Sep. 20	9·7	23	18	24·68	...	131	7	29·3	R
Oct. 29	9·7		18	24·78	5		7	27·9	R
984		*Anon.*							
Sep. 20	8·8	23	18	39·64	...	127	16	46·9	M
Oct. 21	8·3		18	39·78	5		16	46·5	R
Nov. 2	9·1		18	39·61	...		16	48·3	M
985		*8 Piscium κ*							
Aug. 16	...	23	20	6·98	5	89	28	19·6	R
Oct. 10	...		20	6·86	5		28	21·2	M
21	...		20	6·87	...		28	20·6	R
25	...		20	6·90	...		28	20·7	R
26	...		20	6·84	...		28	20·0	R
31	...		20	6·85	6		28	20·2	R
Nov. 1	...		20	6·81	...		28	20·9	M
5	...		20	6·99	...		28	20·4	M
15	...		20	6·94	...		28	20·2	M
986		*Anon.*							
Nov. 4	7·5	23	20	55·78	...	88	50	30·5	M
987		*Lacaille 9496.*							
Oct. 19	8·0	23	23	25·86	...	127	41	28·1	R
30	8·0		23	25·81	5		41	26·8	R
988		*Anon.*							
Sep. 20	7·8	23	24	27·79	...	127	1	16·6	R
26	8·0		24	27·89	5		1	17·5	R

Number and Date.	Magnitude.	Mean Right Ascension 1867. h.	m.	s.	No. of Wires.	Mean Polar Distance 1867. °	′	″	Observer.
989		*Lacaille 9514.*							
Oct. 29	9·0	23	26	2·65	...	131	34	46·9	R
990		*Lacaille 9517.*							
Sep. 20	7·0	23	26	38·47		126	59	58·3	R
26	7·2		26	38·63	...		59	58·1	R
Oct. 24	7·0		26	38·61	...		59	56·8	R
991		*Anon.*							
Oct. 19	9·3	23	29	50·23	...	130	6	8·5	R
21	9·5		29	50·30			6	7·4	R
992		*Anon.*							
Oct. 30	7·8	23	29	51·91	...	127	32	8·2	R
Nov. 2	7·9		29	51·80	...		32	10·3	M
4	7·8		29	51·81			32	8·6	M
993		*17 Piscium ι*							
Oct. 3	...	23	33	6·65	5	85	5	39·8	M
5	...		33	6·59	...		5	39·8	M
7	...		33	6·61	...		5	40·2	M
9	...		33	6·68	...		5	39·5	M
22	...		33	6·57	...		5	39·6	R
31			33	6·55	...		5	39·1	R
Nov. 1	...		33	6·58	...		5	39·4	M
5	...		33	6·59	...		5	39·7	M
7			33	6·57	...		5	40·3	M
994		*18 Piscium λ*							
Oct. 10	...	23	35	15·40	4	88	57	8·1	M
995		*Anon.*							
Oct. 29	8·7	23	35	21·42	5	148	41	58·7	R
Nov. 11	8·0		35	21·27	5		41	56·3	M
996		*Anon.*							
Sep. 26	9·3	23	36	8·36	...	125	8	41·1	R
Oct. 30	9·5		36	8·23	5		8	40·4	R

Separate Results of Madras Meridian Circle Observations in 1867.

Number and Date.	Magnitude.	Mean Right Ascension. 1867. h. m. s.	No. of Wires.	Mean Polar Distance. 1867. ° ′ ″	Observer.
997		*R Aquarii Var.* 1.			
Oct. 19	9·5	23 36 56·47	5	106 1 19·8	R
21	9·9	36 56·37	...	1 16·7	R
998		*Lacaille* 9583.			
Nov. 2	8·0	23 39 0·05	...	128 42 54·5	M
4	7·9	39 0·03	...	42 53·4	M
999		*Lacaille* 9597.			
Sep. 27	8·2	23 40 32·31	5	128 53 43·5	R
Nov. 5	7·8	40 32·60	4	53 41·0	M
12	7·9	40 32·40	...	53 45·7	M
1000		*δ Sculptoris.*			
Oct. 3	...	23 41 59·67		118 51 57·1	M
8	...	41 59·58		51 57·8	M
14	...	41 59·48	4	51 58·2	M
28		41 59·61		51 57·1	R
1001		*Anon.*			
Sep. 20	7·5	23 42 8·16		112 3 27·1	R
1002		21 *Piscium.*			
Nov. 7	...	23 42 38·86	...	89 39 45·5	M
1003		*Anon.*			
Oct. 22	9·3	23 42 56·43	...	129 42 48·5	R
30	9·2	42 56·43	...	42 48·2	R
1004		*Anon.*			
Sep. 27	9·0	23 47 1·44	...	128 8 51·4	R
Oct. 19	9·0	47 1·50	5	8 52·5	R
Nov. 11	8·0	47 1·33	5	8 51·2	M
1005		*Lacaille* 9641.			
Nov. 5	7·8	23 48 11·46	4	128 6 17·1	M
12	7·8	48 11·40		6 17·7	M
1006		*Lacaille* 9650.			
Oct. 30	8·2	23 49 15·00	...	129 47 10·3	R
1007		*Anon.*			
Sep. 21	9·0	23 51 54·93	5	152 19 40·5	R
1008		28 *Piscium* ω			
Oct. 8		23 52 29·00	...	83 52 23·4	M
29	...	52 28·80	6	52 22·6	R
Nov. 15	...	52 28·90	...	52 23·3	M
1009		29 *Piscium.*			
Nov. 7	...	23 55 0·52	6	93 46 5·7	M
1010		*Anon.*			
Oct. 30	9·5	23 56 7·75		130 16 1·3	R
Nov. 16	9·5	56 7·90	...	16 2·1	R
1011		*Anon.*			
Oct. 21	9·3	23 56 35·79	6	126 42 22·8	R
1012		*Taylor* 10990.			
Nov. 12	8·3	23 57 3·48	...	148 31 13·3	M
1013		*Taylor* 10997.			
Sep. 27	9·0	23 58 12·65	.	126 45 30·6	R
1014		*Anon.*			
Sep. 21	9·2	23 58 44·60	...	125 52 14·1	R
Nov. 5	8·7	58 44·41	...	52 15·6	M
1015		*Lacaille* 9721.			
Nov. 11	6·0	23 59 25·37		130 45 51·5	M
1016		*Lacaille* 9723.			
Nov. 6	7·7	23 59 51·62	6	126 49 27·8	M

MEAN POSITIONS OF STARS

OBSERVED WITH THE

MADRAS MERIDIAN CIRCLE

IN THE YEAR

1867

REDUCED TO JANUARY 1, OF THAT YEAR.

Mean Positions of Stars for 1867 January 1st.

Number.	Star.	Magnitude.	Estimations.	Mean Right Ascension.			Mean Polar Distance.			Observations.	Fraction of Year.
				h	m	s	°	′	″		
1	21 Androm. α (*Alpherat*) ..	2·0	...	0	1	31·04	61	38	38·7	3	0·77
2	... ...	9·2	1	0	2	1·55	127	29	28·3	1	0·81
3	Lacaille 9746	8·0	1	0	2	57·24	146	55	55·5	1	0·84
4	... ...	9·4	2	0	5	7·73	126	17	5·3	2	0·80
5	... ...	8·0	1	0	6	20·18	131	7	17·9	1	0·76
6	88 Pegasi γ (*Algenib*) ...	3·0	...	0	6	23·30	75	33	22·4	4	0·80
7	Lalande 163	7·6	2	0	7	47·58	89	26	35·0	2	0·86
8	Taylor 64	7·7	3	0	14	16·77	129	58	38·2	3	0·88
9	Lalande 421	7·4	1	0	15	56·60	51	59	1·1	2	0·80
10	Lacaille 61	6·9	1	0	16	10·56	129	59	59·3	1	0·84
11	Lacaille 88	8·0	1	0	19	39·87	130	23	1·8	1	0·89
12	... ...	8·8	2	0	22	51·01	94	45	0·5	2	0·84
13	12 Ceti	6·2	...	0	23	15·06	94	41	34·6	8	0·85
14	Lalande 670	6·6	1	0	23	18·35	85	52	33·7	1	0·88
15	... ...	9·6	1	0	25	32·03	76	8	14·8	1	0·89
16	... ...	10·5	1	0	26	13·15	76	14	13·7	1	0·71
17	.. ..	8·3	1	0	26	52·76	144	53	22·3	1	0·78
18	Taylor 148...	6·5	2	0	28	8·09	143	6	30·8	2	0·85
19	... ...	9·0	3	0	32	5·31	128	43	52·5	3	0·84
20	... ...	9·4	2	0	35	7·90	83	27	53·2	2	0·89
21	16 Ceti β	2·1	...	0	36	54·66	108	43	2·6	7	0·56
22	W. B. E. 0.628	9·0	1	0	37	3·20	93	48	19·6	1	0·87
23	W. B. E. 0.697	8·7	1	0	40	52·69	95	13	33·4	2	0·83
24	W. B. E. 0.705	7·9	1	0	41	17·35	94	26	20·9	2	0·83
25	63 Piscium δ	4·6	...	0	41	46·96	83	8	21·3	1	0·85
26	W. B. E. 0.716	8·8	1	0	41	50·66	94	35	49·5	1	0·92
27	Lacaille 234	7·0	3	0	45	3·15	129	15	8·1	3	0·90
28	.. ..	9·4	2	0	45	18·13	129	12	53·3	2	0·86
29	... ...	9·5	2	0	50	28·01	129	39	11·0	3	0·87
30	Lacaille 264	7·6	3	0	50	52·28	154	41	8·7	3	0·85
31	... ...	9·3	2	0	51	11·99	130	39	56·9	2	0·91
32	... .	8·5		0	51	59·05	130	41	3·2	1	0·79
33	71 Piscium ε	4·5		0	56	2·48	82	49	36·5	7	0·85
34	... ...	9·6	2	1	1	33·72	17	35	22·3	2	0·89
35	... ...	7·4	1	1	3	15·84	150	15	20·3	1	0·94

7.—Star occulted by the moon, when totally eclipsed, on 1866 Sep. 24.
22.—23.—24.—26.—Comparison stars for Europa in 1861.

Observed with the Madras Meridian Circle in that Year.

Number.	Star.	In Right Ascension. Annual Precession.	In Right Ascension. Secular Variation.	In Right Ascension. Proper Motion.	In Polar Distance. Annual Precession.	In Polar Distance. Secular Variation.	In Polar Distance. Proper Motion.	Number in B. A. C.
		s	s	s	"	"	"	
1	21 Androm. α (*Alpheratz*)	+ 3·0768	+ 0·0182	+ 0·009	− 20·055	+ 0·013	+ 0·15	4
2	. . .	+ 3·0631	− 0·0207	.	− 20·054	+ 0·013	...	...
3	Lacaille 9746 ..	+ 3·0456	− 0·0429	...	− 20·053	+ 0·015	...	...
4	... .	+ 3·0501	− 0·0194	...	− 20·051	+ 0·019	...	...
5	... .	+ 3·0398	− 0·0233	...	− 20·048	+ 0·021	...	...
6	88 Pegasi γ (*Algenib*)	+ 3·0816	+ 0·0100	0·000	− 20·048	+ 0·022	+ 0·02	26
7	Lalande 163	+ 3·0724	+ 0·0026	...	− 20·044	+ 0·024	...	...
8	Taylor 64	+ 3·0023	− 0·0211	..	− 20·016	+ 0·037	..	60
9	Lalande 421	+ 3·1447	+ 0·0271	...	− 20·007	+ 0·041	...	...
10	Lacaille 61 ..	+ 2·9930	− 0·0209	...	− 20·005	+ 0·040	...	...
11	Lacaille 88	+ 2·9747	− 0·0207	...	− 19·981	+ 0·046	...	...
12	... .	+ 3·0611	+ 0·0007	..	− 19·956	+ 0·054	...	...
13	12 Ceti	+ 3·0609	+ 0·0008	− 0·002	− 19·952	+ 0·055	+ 0·01	112
14	Lalande 670	+ 3·0819	+ 0·0054	...	− 19·951	+ 0·054	...	113
15	. .. ...	+ 3·1088	+ 0·0103	..	− 19·931	+ 0·050	...	...
16	... .	+ 3·1096	+ 0·0109	...	− 19·924	+ 0·061	...	...
17	.. ..	+ 2·8496	− 0·0325	...	− 19·917	+ 0·058	...	...
18	Taylor 148	+ 2·8540	− 0·0303	...	− 19·904	+ 0·060	...	143
19	.	+ 2·9225	− 0·0176	...	− 19·859	+ 0·069	...	...
20	... .	+ 3·0955	+ 0·0073	...	− 19·819	+ 0·078	...	...
21	16 Ceti β . .	+ 2·9904	− 0·0055	+ 0·013	− 19·795	+ 0·080	− 0·02	196
22	W. B. E. 0.628	+ 3·0579	+ 0·0020	...	− 19·794	+ 0·080	...	...
23	W. B. E. 0.697 ..	+ 3·0503	+ 0·0015	...	− 19·737	+ 0·087	...	...
24	W. B. E. 0.705 ..	+ 3·0535	+ 0·0019	...	− 19·731	+ 0·087	...	...
25	63 Piscium δ ..	+ 3·1013	+ 0·0077	+ 0·003	− 19·722	+ 0·090	+ 0·05	222
26	W. B. E. 0.716 ..	+ 3·0526	+ 0·0018	...	− 19·721	+ 0·088	...	...
27	Lacaille 234 ..	+ 2·8587	− 0·0161	...	− 19·668	+ 0·090	...	...
28	... . ..	+ 2·8578	− 0·0160	...	− 19·664	+ 0·090	...	...
29	... .. .	+ 2·8300	− 0·0155	...	− 19·570	+ 0·098	...	...
30	Lacaille 264 ...	+ 2·4499	− 0·0318	...	− 19·563	+ 0·087	...	...
31	... ..	+ 2·8076	− 0·0160	...	− 19·556	+ 0·099	..	...
32	.. .. ..	+ 2·8138	− 0·0160	...	− 19·543	+ 0·100	...	...
33	71 Piscium ε . . .	+ 3·1128	+ 0·0087	− 0·002	− 19·459	+ 0·110	0·00	288
34	... . .	+ 4·1914	+ 0·1622	...	− 19·336	+ 0·171	...	...
35	... .	+ 2·4345	− 0·0237	...	− 19·296	+ 0·106	...	..

13.—Proper motions from "*Greenwich Catalogue* 1872."

Mean Positions of Stars for 1867 January 1st.

Number.	Star.	Magnitude.	Estimations.	Mean Right Ascension.			Mean Polar Distance.			Observations.	Fraction of Year.
				h.	m.	s.	°	′	″		
36	... ...	9·0	1	1	4	1·81	18	33	53·2	1	0·89
37	... ...	9·4	3	1	4	55·14	127	20	48·2	3	0·83
38	O. A. N. 1303	7·0	1	1	9	2·56	18	18	2·6	1	0·93
39	1 Urs. Min. α (*Polaris*) ...	2·2	...	1	10	16·66	1	23	59·4	12	0·56
40	... ...	9·4	1	1	12	21·17	152	16	34·2	1	0·88
41	Brisbane 203	6·9	1	1	15	7·20	150	46	24·0	1	0·84
42	45 Ceti θ¹	3·8	...	1	17	22·49	98	52	14·7	8	0·85
43	... ...	8·0	...	1	19	0·18	151	19	27·8	1	0·71
44	Taylor 465	7·0	1	1	19	38·01	91	5	28·3	1	0·83
45	99 Piscium η	4·5	...	1	24	22·13	75	20	27·2	10	0·88
46	Taylor 496	8·0	1	1	25	49·04	140	35	15·8	1	0·71
47	... ...	8·5	1	1	25	51·30	150	20	42·7	1	0·89
48	102 Piscium π	5·6	...	1	30	3·03	78	32	22·0	1	0·89
49	Taylor 525	6·0	...	1	30	15·64	148	49	12·0	1	0·92
50	... ...	8·6	2	1	31	30·84	130	51	20·7	2	0·91
51	Taylor 539	6·0	1	1	31	52·23	148	57	0·8	1	0·82
52	α Eridani (*Achernar*) ...	1·0	...	1	32	45·69	147	54	50·2	2	0·81
53	106 Piscium ν	4·7	...	1	34	30·68	85	11	11·5	8	0·84
54	Lacaille 507	6·0	...	1	37	14·77	151	27	35·6	1	0·92
55	110 Piscium ο	4·4	...	1	38	22·22	81	30	46·2	1	0·71
56	... ...	9·2	1	1	38	39·77	152	1	58·3	1	0·82
57	... ...	8·4	1	1	39	59·79	149	26	26·4	1	0·92
58	... ...	9·7	2	1	40	30·43	128	36	8·7	2	0·84
59	... ...	9·3	1	1	46	16·03	148	57	3·6	1	0·95
60	Lacaille 550	8·5	3	1	46	43·43	129	24	14·6	3	0·85
61	6 Arietis β .	2·8	...	1	47	17·76	69	50	37·6	10	0·86
62	... ...	9·0	1	1	49	22·47	126	6	37·6	1	0·89
63	... ...	9·0	1	1	52	24·32	145	47	31·3	1	0·91
64	... .	8·8	1	1	53	3·63	151	22	2·7	1	0·94
65	... ...	9·4	2	1	56	14·35	129	57	36·7	2	0·85
66	... .	9·3	1	1	56	14·52	129	26	22·5	1	0·89
67	13 Arietis α ..	2·0	..	1	59	40·81	67	10	6·2	10	0·87
68	.. ..	8·8	1	2	1	10·63	148	46	47·5	1	0·94
69	... ...	9·3	1	2	6	11·21	151	23	15·8	1	0·94
70	21 Arietis	5·6		2	8	10·30	65	34	31·9	1	0·93

36.—38.—Stars observed for map of S Cassiopeæ Var. 4

Observed with the Madras Meridian Circle in that Year.

Number.	Star.	In Right Ascension.			In Polar Distance.			Number in R. A. C.
		Annual Precession.	Secular Variation.	Proper Motion.	Annual Precession.	Secular Variation.	Proper Motion.	
		s	s	s	"	"	"	
36	... .	+ 4·1698	+ 0·1517	...	− 19·277	+ 0·177	...	
37	... ...	+ 2·7869	− 0·0123	...	− 19·256	+ 0·122	...	..
38	O. A. N. 1303 ..	+ 4·2718	+ 0·1510	...	− 19·152	+ 0·104	...	...
39	1 Urs. Min. α (*Polaris*)	+ 19·5929	+ 13·6992	+ 0·065	− 19·119	+ 0·871	0·00	360
40	... .	+ 2·2823	− 0·0203	...	− 19·064	+ 0·111	...	...
41	Brisbane 208	+ 2·3028	− 0·0190	...	− 18·987	+ 0·116	...	...
42	45 Ceti θ¹	+ 3·0030	+ 0·0018	− 0·007	− 18·923	+ 0·154	+ 0·22	420
43	... ...	+ 2·2462	− 0·0173	...	− 18·875	+ 0·119	...	...
44	Taylor 465	+ 3·0634	+ 0·0056	...	− 18·856	+ 0·160	...	433
45	99 Piscium η	+ 3·1980	+ 0·0142	0·000	− 18·711	+ 0·176	0·00	453
46	Taylor 496	+ 2·4769	− 0·0141	...	− 18·665	+ 0·140	...	462
47	... .	+ 2·2129	− 0·0148	...	− 18·664	+ 0·126	...	...
48	102 Piscium π ..	+ 3·1760	+ 0·0125	− 0·007	− 18·526	+ 0·185	− 0·03	488
49	Taylor 525	+ 2·2243	− 0·0135	...	− 18·520	+ 0·133	...	483
50	... .	+ 2·6225	− 0·0101	...	− 18·477	+ 0·157	...	...
51	Taylor 539	+ 2·2055	− 0·0129	...	− 18·465	+ 0·133	...	497
52	α Eridani (*Achernar*)	+ 2·2324	− 0·0128	+ 0·008	− 18·435	+ 0·137	+ 0·07	507
53	106 Piscium ν ...	+ 3·1172	+ 0·0091	− 0·004	− 18·374	+ 0·191	− 0·04	518
54	Lacaille 507	+ 2·0600	− 0·0099	...	− 18·276	+ 0·132	...	531
55	110 Piscium ο ...	+ 3·1551	+ 0·0111	+ 0·006	− 18·235	+ 0·199	− 0·01	537
56	... .	+ 2·0213	− 0·0089	...	− 18·225	+ 0·131	...	...
57	... ...	+ 2·1151	− 0·0100	...	− 18·176	+ 0·138	...	...
58	... .	+ 2·6188	− 0·0081	...	− 18·156	+ 0·171	...	...
59	... .	+ 2·0790	− 0·0082	...	− 17·938	+ 0·144	...	...
60	Lacaille 550	+ 2·5788	− 0·0076	...	− 17·919	+ 0·177	...	...
61	6 Arietis β	+ 3·2935	+ 0·0183	+ 0·002	− 17·897	+ 0·226	+ 0·11	577
62	... ...	+ 2·6241	− 0·0063	...	− 17·815	+ 0·184	...	...
63	... .	+ 2·1456	− 0·0077	...	− 17·691	+ 0·156	...	..
64	... ...	+ 1·9124	− 0·0040	...	− 17·664	+ 0·140	...	...
65	... .	+ 2·5270	− 0·0065	...	− 17·531	+ 0·187	...	...
66	... ...	+ 2·5379	− 0·0064	...	− 17·530	+ 0·188	...	..
67	13 Arietis α	+ 3·3520	+ 0·0203	+ 0·012	− 17·382	+ 0·252	+ 0·15	648
68	... .	+ 1·9593	− 0·0036	...	− 17·317	+ 0·151	...	...
69	.. ...	+ 1·7897	+ 0·0006	...	− 17·092	+ 0·144	...	...
70	21 Arietis ...	+ 3·3912	+ 0·0215	− 0·005	− 16·909	+ 0·209	+ 0·07	698

52 — Proper motions from "*Stone's Cape Catalogue.*"
70 — Proper motions from "*Greenwich Catalogue* 1864."

Mean Positions of Stars for 1867 January 1st.

Number.	Star.	Magnitude.	Estimations.	Mean Right Ascension.			Mean Polar Distance.			Observations.	Fraction of Year.
				h.	m.	s.	°	′	″		
71	67 Ceti	5·5	...	2	10	21·03	97	2	12·1	9	0·87
72	68 Ceti *o* Var. 1 *(Mira)* ...	6·0	2	2	12	37·71	93	35	0·2	2	0·89
73	... ...	9·0	2	2	12	45·40	93	34	46·7	2	0·93
74	... ...	8·0	1	2	15	44·70	152	33	21·1	1	0·96
75	.. ..	8·5	2	2	17	49·30	151	2	20·2	2	0·92
76	73 Ceti ξ¹	4·4	...	2	21	5·36	82	8	15·4	16	0·89
77	Lacaille 782	7·0	1	2	26	18·38	148	24	8·5	1	0·93
78	... ...	8·5	3	2	27	30·97	147	11	24·2	3	0·93
79	... ...	9·2	2	2	28	15·92	120	45	40·0	2	0·93
80	... ...	9·7	1	2	30	51·00	147	34	6·1	1	0·87
81	... ...	9·0	1	2	31	17·41	148	30	32·8	1	0·94
82	... ...	9·6	2	2	31	20·61	151	38	36·5	2	0·93
83	86 Ceti γ	3·6	...	2	36	24·61	87	19	34·8	9	0·93
84	87 Ceti μ	4·4	...	2	37	45·29	80	26	57·0	2	0·78
85	Lacaille 868	7·9	1	2	38	38·12	147	12	24·4	1	0·92
86	Taylor 940	7·9	2	2	40	22·32	128	43	45·6	2	0·97
87	... ...	9·6	3	2	41	47·29	151	1	56·1	3	0·94
88	Taylor 969	7·2	2	2	45	47·49	74	3	41·5	2	0·93
89	Taylor 978	6·9	2	2	47	26·42	147	44	27·2	2	0·94
90	Lacaille 941	6·9	1	2	50	31·95	146	25	20·8	1	0·87
91	Taylor 991	7·2	3	2	50	40·24	129	11	26·7	3	0·97
92	Lacaille 969	7·8	2	2	54	58·75	144	13	14·1	2	0·91
93	42 Ceti α *(Menkar)* ...	2·7	...	2	55	19·71	86	26	2·0	4	0·95
94	25 Persei ρ Var. 2 ..	3·7	...	2	56	39·76	51	40	39·7	1	0·93
95	26 Persei β Var. 1 *(Algol)*.	2·3	...	2	59	31·29	49	33	33·2	2	0·90
96	Taylor 1047	6·5	1	2	59	55·67	151	19	10·0	1	0·97
97	... ...	8·9	1	2	59	57·96	130	37	40·3	1	0·98
98	Taylor 1052 ...	5·3	...	3	0	29·28	150	15	19·1	1	0·02
99	Taylor 1057	8·0	2	3	0	50·41	151	21	38·5	2	0·49
100	R. P. L. 33	5·9	...	3	1	20·76	5	34	6·0	1	0·95
101	... .	9·3	1	3	2	16·73	130	38	13·4	1	0·98
102	57 Arietis δ	4·5	..	3	4	1·65	70	46	43·7	6	0·94
103	Taylor 1081	8·0	1	3	5	16·31	151	30	33·2	1	0·89
104	... ...	9·0	1	3	6	15·53	128	31	22·9	1	0·97
105	... ...	9·4	2	3	7	21·43	145	39	51·1	2	0·40

72.—*o* Ceti Var. 1 (*Mira*)—Period 331 days.—Range, 2nd to 10th magnitude.
94.—ρ Persei Var. 2.—Changes irregularly from 3·5 to 4·3 magnitude.
95.—β Persei Var. 1 (*Algol*).—Period 2·867 days.—Range, 2·3 to 4th magnitude
100.—Groombridge 595.

Observed with the Madras Meridian Circle in that Year.

Number.	Star.	In Right Ascension.			In Polar Distance.			Number in B. A. C.
		Annual Precession.	Secular Variation.	Proper Motion.	Annual Precession.	Secular Variation.	Proper Motion.	
		s	s	s	"	"	"	
71	67 Ceti	+ 2·9832	+ 0·0049	+ 0·003	− 16·897	+ 0·242	+ 0·14	704
72	68 Ceti *o* Var. 1 (*Mira.*)	+ 3·0263	+ 0·0064	− 0·001	− 16·789	+ 0·248	+ 0·23	720
73	. .. ..	+ 3·0263	+ 0·0064	...	− 16·783	+ 0·249	...	...
74	... .	+ 1·6349	+ 0·0055	...	− 16·638	+ 0·140	...	...
75	. .. .	+ 1·7502	+ 0·0037	...	− 16·536	+ 0·148	...	...
76	73 Ceti 1[2]	+ 3·1787	+ 0·0117	+ 0·001	− 16·374	+ 0·276	+ 0·02	760
77	Lacaille 782 .. .	+ 1·7770	+ 0·0026	...	− 16·105	+ 0·161	...	...
78	... .	+ 1·8275	+ 0·0016	...	− 16·042	+ 0·167	.	...
79	... .	+ 2·4016	− 0·0027	...	− 16·003	+ 0·218	.	...
80	... .	+ 1·7849	+ 0·0027	...	− 15·865	+ 0·166	..	..
81	... ...	+ 1·7337	+ 0·0039	...	− 15·841	+ 0·162	.	..
82	... .	+ 1·5527	+ 0·0084	.	− 15·839	+ 0·146	..	..
83	86 Ceti γ	+ 3·1114	+ 0·0094	− 0·011	− 15·564	+ 0·294	+ 0·19	837
84	87 Ceti μ	+ 3·2150	+ 0·0120	+ 0·017	− 15·489	+ 0·305	+ 0·07	845
85	Lacaille 868	+ 1·7478	+ 0·0040	...	− 15·442	+ 0·170	..	...
86	Taylor 940	+ 2·3814	+ 0·0015	...	− 15·342	+ 0·231	...	...
87	... .	+ 1·5053	+ 0·0099	...	− 15·263	+ 0·149	...	..
88	Taylor 969	+ 3·3249	+ 0·0157	...	− 15·082	+ 0·326	...	892
89	Taylor 978	+ 1·6585	+ 0·0062	...	− 14·936	+ 0·168	...	899
90	Lacaille 941	+ 1·7080	+ 0·0053	...	− 14·754	+ 0·175	.	...
91	Taylor 991	+ 2·3332	− 0·0006	...	− 14·746	+ 0·237	..	917
92	Lacaille 969	+ 1·7894	+ 0·0040	...	− 14·488	+ 0·186	.	..
93	42 Ceti α (*Menkar*) ...	+ 3·1297	+ 0·0098	− 0·002	− 14·467	+ 0·323	+ 0·11	949
94	25 Persei ρ Var. 2 ...	+ 3·8084	+ 0·0332	+ 0·010	− 14·386	+ 0·393	+ 0·11	953
95	26 Persei β Var. 1 (*Algol*)	+ 3·8762	+ 0·0356	− 0·002	− 14·210	+ 0·405	− 0·01	963
96	Taylor 1047	+ 1·3446	+ 0·0139	...	− 14·185	+ 0·145	..	968
97	... .	+ 2·2611	+ 0·0002	...	− 14·183	+ 0·239	..	...
98	Taylor 1052	+ 1·4142	+ 0·0120	...	− 14·150	+ 0·152	...	972
99	Taylor 1057	+ 1·3346	+ 0·0142	...	− 14·129	+ 0·144	.	973
100	R. P. L. 33	+ 12·8260	+ 1·5870	...	− 14·097	+ 1·336	+ 0·12	960
101	. ... ..	+ 2·2527	+ 0·0004	...	− 14·039	+ 0·241	..	.
102	57 Arietis δ	+ 3·4074	+ 0·0171	+ 0·010	− 13·929	+ 0·364	0·00	986
103	Taylor 1081 .	+ 1·2794	+ 0·0156	..	− 13·851	+ 0·141	..	992
104	... ...	+ 2·9991	+ 0·0003	...	− 13·789	+ 0·250	...	...
105	... .	+ 1·6444	+ 0·0069	...	− 13·719	+ 0·151	...	..

76.—84.—100.—Proper motions from "*Greenwich Catalogue 1872.*"

Mean Positions of Stars for 1867 January 1st.

Number.	Star.	Magnitude.	Estimations.	Mean Right Ascension.			Mean Polar Distance.			Observations.	Fraction of Year.
				h.	m.	s.	°	′	″		
106	Taylor 1112	8·0	1	3	10	23·68	129	29	40·3	1	0·99
107	Taylor 1113	8·9	1	3	10	24·00	131	43	29·5	1	0·96
108	Taylor 1127	8·0	1	3	11	54·24	131	45	40·1	1	0·96
109	... ...	9·3	1	3	12	29·94	130	9	53·0	1	0·98
110	... ...	9·0	1	3	12	30·19	130	57	29·2	1	0·97
111	... ...	8·5	1	3	12	40·75	129	27	1·9	1	0·99
112	... ...	7·8	1	3	13	27·18	125	39	12·6	1	0·97
113	33 Persei α	1·0	...	3	14	50·42	40	36	54·8	1	0·99
114	... ...	8·2	3	3	15	9·62	151	31	33·4	3	0·89
115	... ...	9·3	1	3	15	30·03	125	40	46·2	1	0·97
116	... ...	9·5	1	3	16	58·05	127	6	21·8	1	0·96
117	... ...	8·8	1	3	17	26·79	130	44	59·6	1	0·97
118	... ...	9·0	1	3	20	22·02	149	18	15·3	1	0·89
119	R Persei Var.. 3	9·0	1	3	21	35·53	54	47	24·8	1	0·96
120	... ...	9·3	1	3	23	21·70	130	9	39·0	1	0·98
121	5 Tauri *f*	4·3	2	3	23	31·82	77	31	16·4	2	0·78
122	... ...	9·0	2	3	23	46·11	126	21	58·9	2	0·98
123	... ...	8·5	1	3	24	56·51	129	1	6·5	1	0·97
124	Lacaille 1150	7·0	1	3	28	30·98	152	27	40·0	1	0·02
125	Lacaille 1149	7·0	1	3	28	41·15	150	18	32·0	1	0·02
126	... ...	9·2	1	3	28	52·10	128	28	54·3	1	0·97
127	... ...	7·0	1	3	30	17·03	151	50	23·7	1	0·06
128	... ...	9·0	1	3	31	52·10	129	49	26·0	1	0·98
129	... ...	8·0	1	3	32	20·00	131	20	9·3	1	0·90
130	Lacaille 1166	8·8	1	3	33	8·55	129	12	37·6	1	0·97
131	... ...	8·2	1	3	33	25·55	127	42	33·9	1	0·90
132	... ...	10·0	1	3	33	43·83	128	29	29·2	1	0·97
133	... ...	8·6	1	3	35	23·18	150	12	42·5	1	0·03
134	... ...	9·7	1	3	35	53·51	129	10	3·0	1	0·97
135	.. ..	8·0	1	3	37	2·65	148	26	55·2	1	0·79
136	25 Tauri η (*Alcyone*) ...	3·0	..	3	39	34·91	66	18	31·6	11	0·75
137	30 Tauri *e*	5·1		3	40	58·73	79	16	5·7	1	0·71
138	Lacaille 1242	7·2	1	3	41	49·31	147	4	42·1	1	0·92
139	W. B. E. III. 860 .	8·3	2	3	45	29·06	76	1	4·7	2	0·86
140	... .	9·0	1	3	49	55·22	130	11	37·7	1	0·59

119.—R Persei Var. 3.—Period 209 days.—Range, 8·5 to 12·5 magnitude.
139.—Comparison star for Asia in 1862.

Observed with the Madras Meridian Circle in that Year.

Number.	Star.	In Right Ascension.			In Polar Distance.			Number in B. A. C.
		Annual Precession.	Secular Variation.	Proper Motion.	Annual Precession.	Secular Variation.	Proper Motion.	
		s	s	s	"	"	"	
106	Taylor 1112	+ 2·2584	+ 0·0009	...	− 13·523	+ 0·249	...	...
107	Taylor 1113 . .	+ 2·1916	+ 0·0011	...	− 13·522	+ 0·242	...	...
108	Taylor 1127	+ 2·1853	+ 0·0012	...	− 13·426	+ 0·243	...	...
109	... .	+ 2·2318	+ 0·0012	...	− 13·387	+ 0·24[illegible]	...	...
110	... ...	+ 2·2080	+ 0·0011	...	− 13·387	+ 0·246	...	...
111	.. ..	+ 2·2523	+ 0·0011	...	− 13·376	+ 0·251	...	...
112	... ...	+ 2·3553	+ 0·0011	...	− 13·325	+ 0·263	...	...
113	33 Persei α	+ 4·2434	+ 0·0483	+ 0·002	− 13·234	+ 0·472	+ 0·05	1043
114	... .	+ 1·2175	+ 0·0166	...	− 13·212	+ 0·140	...	...
115	. .. ...	+ 2·3489	+ 0·0012	...	− 13·190	+ 0·264	...	...
116	... ...	+ 2·3060	+ 0·0013	...	− 13·094	+ 0·261	...	...
117	... .	+ 2·1979	+ 0·0015	...	− 13·062	+ 0·249	...	...
118	... .. .	+ 1·3446	+ 0·0131	...	− 12·866	+ 0·156	...	...
119	R Persei Var. 3 ..	+ 3·7991	+ 0·0278	...	− 12·784	+ 0·432	...	...
120	. . ..	+ 2·1972	+ 0·0018	...	− 12·665	+ 0·254	...	...
121	5 Tauri *f*	+ 3·3017	+ 0·0130	+ 0·002	− 12·652	+ 0·370	+ 0·03	1067
122	... ...	+ 2·3076	+ 0·0016	...	− 12·637	+ 0·266	...	...
123	... ...	+ 2·2272	+ 0·0018	...	− 12·557	+ 0·258	...	...
124	Lacaille 1150 ...	+ 1·0480	+ 0·0203	...	− 12·311	+ 0·126	...	...
125	Lacaille 1149 ...	+ 1·2201	+ 0·0156	...	− 12·300	+ 0·146	...	...
126	. . . .	+ 2·2320	+ 0·0020	...	− 12·287	+ 0·262	...	...
127	... ...	+ 1·0887	+ 0·0190	...	− 12·180	+ 0·131	...	...
128	. .. ...	+ 2·1820	+ 0·0023	...	− 12·070	+ 0·259	...	...
129	... .	+ 2·1318	+ 0·0025	...	− 12·017	+ 0·250	...	...
130	Lacaille 1166 ...	+ 2·1076	+ 0·0023	...	− 11·989	+ 0·262	...	...
131	... .	+ 2·2426	+ 0·0021	...	− 11·970	+ 0·268	...	...
132	... .	+ 2·2182	+ 0·0022	...	− 11·948	+ 0·265	...	...
133	. . ..	+ 1·1863	+ 0·0159	...	− 11·832	+ 0·145	...	...
134	.. ..	+ 2·1912	+ 0·0024	...	− 11·796	+ 0·264	...	...
135	... ...	+ 1·3048	+ 0·0131	...	− 11·714	+ 0·160	...	...
136	25 Tauri η (*Alcyone*)..	+ 3·5520	+ 0·0177	− 0·001	− 11·533	+ 0·430	+ 0·06	1166
137	30 Tauri *e*	+ 3·2803	+ 0·0115	0·000	− 11·433	+ 0·398	+ 0·05	1174
138	Lacaille 1242 .	+ 1·3712	+ 0·0114	...	− 11·373	+ 0·170	...	...
139	W. B. E. III. 860 .	+ 3·3492	+ 0·0127	...	− 11·104	+ 0·412	...	...
140	... .. .	+ 2·1528	+ 0·0029	...	− 10·781	+ 0·270	...	...

121.—Proper motions from "*Greenwich Catalogue* 1872."

Mean Positions of Stars for 1867 January 1st.

Number.	Star.	Magnitude.	Estimations.	Mean Right Ascension.			Mean Polar Distance.			Observations.	Fraction of Year.
				h.	m.	s.	°	′	″		
141	... ...	8·0	1	3	50	53·94	147	28	42·7	1	0·79
142	34 Eridani γ^1	3·0	...	3	51	49·43	103	53	20·9	12	0·56
143	35 Tauri λ Var. 1... ...	3·6	...	3	53	18·77	77	53	16·6	2	0·45
144	... ...	8·5	1	3	53	45·06	143	7	54·5	1	0·04
145	... ...	9·1	1	3	54	48·00	129	10	20·6	1	0·89
146	Taylor 1392	6·9	1	3	55	51·94	147	28	52·5	1	0·03
147	Lalande 7581	8·2	1	3	58	23·91	74	51	50·8	1	0·02
148	Lacaille 1359	8·5	2	4	0	4·86	147	49	36·4	2	0·02
149	Lacaille 1375	8·1	2	4	2	58·03	148	50	17·8	2	0·03
150	Lalande 7764	8·0	1	4	3	38·46	74	43	23·1	1	0·03
151	... ...	9·5	1	4	3	46·18	146	55	55·9	1	0·89
152	37 Eridani	5·8	...	4	3	53·37	97	16	25·7	1	0·95
153	38 Eridani o^1	4·1	...	4	5	22·48	97	11	12·8	2	0·92
154	... ...	8·1	1	4	9	52·86	129	18	24·7	1	0·01
155	Taylor 1489	7·2	3	4	11	6·48	148	21	34·6	3	0·33
156	54 Tauri γ	3·9	...	4	12	13·73	74	41	47·2	1	0·04
157	Lacaille 1418	7·5	2	4	12	31·61	143	39	17·3	2	0·49
158	... ...	8·7	3	4	12	35·05	129	10	20·5	3	0·04
159	... ...	8·3	2	4	13	58·02	70	51	2·3	2	0·01
160	U Tauri Var. 7	9·9	1	4	14	4·25	70	30	15·3	1	0·04
161	... ...	10·0	1	4	15	20·86	129	7	25·1	1	0·87
162	... ...	8·0	1	4	16	49·23	149	3	59·5	1	0·87
163	74 Tauri ε	3·7	...	4	20	51·13	71	7	3·3	11	0·35
164	Lacaille 1519	7·0	1	4	25	37·48	153	5	43·2	1	0·02
165	Lacaille 1520	7·7	1	4	26	44·46	147	28	39·6	1	0·03
166	... ...	9·3	1	4	27	35·77	150	33	35·1	1	0·95
167	87 Tauri α (*Aldebaran*) ...	1·0	...	4	28	17·47	73	45	40·0	12	0·38
168	... ...	8·2	2	4	28	32·48	140	13	54·0	2	0·44
169	R Reticuli Var. 1	9·0	7	4	32	10·38	153	18	20·9	7	0·31
170	Lacaille 1551 .. .	6·0	1	4	32	11·35	153	5	52·9	1	0·06
171	... .	9·5	2	4	34	39·82	153	26	31·1	2	0·36
172	95 Tauri	6·9	1	4	35	10·70	66	10	0·0	1	0·02
173	Lacaille 1567	5·0	1	4	35	13·10	152	20	26·5	1	0·04
174	Lacaille 1566 . ..	6·9	1	4	35	48·90	148	28	6·2	1	0·03
175	Taylor 1663	7·5	3	4	36	55·13	138	47	48·8	3	0·09

143.—λ Tauri Var. 1.—Period 3·95 days.—Range, 3·5 to 4·3 magnitude.
147.—150.—Comparison stars for Asia in 1862.
160.—U Tauri Var. 7.—Period unknown—Range, 9th to 10·5 magnitude.
169.—R Reticuli Var. 1.—Period 281 days.—Range, 7th to below 13th magnitude.
170.—171.—173.—Stars for map of R Reticuli Var. 1.

Observed with the Madras Meridian Circle in that Year.

Number.	Star.	In Right Ascension.			In Polar Distance.			Number in B. A. C.
		Annual Precession.	Secular Variation.	Proper Motion.	Annual Precession.	Secular Variation.	Proper Motion.	
		s	s	s	"	"	"	
141	... .	+ 1·2991	+ 0·0124	...	− 10·709	+ 0·165	...	...
142	34 Eridani γ¹ ...	+ 2·7918	+ 0·0047	+ 0·002	− 10·641	+ 0·351	+ 0·12	1234
143	35 Tauri λ Var. 1 ...	+ 3·3164	+ 0·0115	− 0·002	− 10·529	+ 0·416	+ 0·02	1241
144	... .	+ 1·5531	+ 0·0082	...	− 10·497	+ 0·198	...	...
145	... .	+ 2·1413	+ 0·0031	...	− 10·410	+ 0·271	...	...
146	Taylor 1392	+ 1·2751	+ 0·0126	...	− 10·340	+ 0·164	...	1255
147	Lalande 7581 .	+ 3·3840	+ 0·0124	...	− 10·148	+ 0·430	...	...
148	Lacaille 1359 ...	+ 1·2314	+ 0·0131	...	− 10·022	+ 0·160	...	...
149	Lacaille 1375 ...	+ 1·1433	+ 0·0144	...	− 9·802	+ 0·140	...	...
150	Lalande 7764 ...	+ 3·3913	+ 0·0121	...	− 9·750	+ 0·436	...	...
151	... ...	+ 1·2778	+ 0·0200	...	− 9·740	+ 0·167	...	...
152	37 Eridani	+ 2·9230	+ 0·0058	− 0·002	− 9·732	+ 0·377	+ 0·04	1284
153	38 Eridani ο¹ .	+ 2·9241	+ 0·0058	− 0·002	− 9·617	+ 0·379	− 0·07	1290
154	... ...	+ 2·1016	+ 0·0035	...	− 9·270	+ 0·276	...	...
155	Taylor 1489	+ 1·1427	+ 0·0137	..	− 9·175	+ 0·152	...	1325
156	54 Tauri γ	+ 3·3982	+ 0·0115	+ 0·009	− 9·087	+ 0·446	+ 0·03	1328
157	Lacaille 1418 ..	+ 1·4513	+ 0·0088	..	− 9·064	+ 0·193	...	...
158	... ...	+ 2·1002	+ 0·0035	...	− 9·059	+ 0·277	...	...
159	... ...	+ 3·4875	+ 0·0128	...	− 8·951	+ 0·459	...	...
160	U Tauri Var. 7 ..	+ 3·4959	+ 0·0129	...	− 8·943	+ 0·460	...	...
161	... .	+ 2·0960	+ 0·0035	...	− 8·842	+ 0·279	...	...
162	... ...	+ 1·0634	+ 0·0146	...	− 8·727	+ 0·144	...	...
163	74 Tauri ε	+ 3·4872	+ 0·0120	+ 0·005	− 8·408	+ 0·466	+ 0·03	1376
164	Lacaille 1519 ..	+ 0·6576	+ 0·0212	...	− 8·027	+ 0·091	...	...
165	Lacaille 1520 ...	+ 1·1166	+ 0·0122	...	− 7·937	+ 0·157	...	...
166	... ...	+ 0·8945	+ 0·0162	...	− 7·895	+ 0·123	...	...
167	87 Tauri α (*Aldebaran*)	+ 3·4307	+ 0·0105	+ 0·004	− 7·813	+ 0·464	+ 0·17	1420
168	... .	+ 1·5918	+ 0·0067	...	− 7·792	+ 0·217	...	...
169	R Reticuli Var. 1 ..	+ 0·6061	+ 0·0210	...	− 7·499	+ 0·065	...	...
170	Lacaille 1551 ..	+ 0·6280	+ 0·0205	...	− 7·497	+ 0·068	...	...
171	... .	+ 0·5802	+ 0·0209	...	− 7·297	+ 0·062	...	...
172	95 Tauri	+ 3·6228	+ 0·0125	+ 0·004	− 7·254	+ 0·495	0·00	1453
173	Lacaille 1567	+ 0·6937	+ 0·0186	...	− 7·251	+ 0·097	..	...
174	Lacaille 1566	+ 1·0385	+ 0·0128	...	− 7·202	+ 0·144	...	..
175	Taylor 1663 ..	+ 1·6443	+ 0·0059	..	− 7·112	+ 0·227	...	

143.—Proper motions from "*Greenwich Catalogue* 1872."
172.—Proper motions from "*Greenwich Catalogue* 1864."

Mean Positions of Stars for 1867 January 1st.

Number.	Star.	Magnitude.	Estimations.	Mean Right Ascension. h.	m.	s.	Mean Polar Distance. °	′	″	Observations.	Fraction of Year.
176	... ...	9·6	2	4	39	15·49	153	15	34·4	2	0·52
177	... ...	9·0	1	4	39	27·08	153	3	18·9	1	0·96
178	... ...	9·5	2	4	43	26·68	130	40	53·5	2	0·04
179	Lacaille 1629	6·4	1	4	43	44·51	153	28	14·6	1	0·01
180	... ...	8·0	1	4	43	57·70	127	40	3·2	1	0·96
181	Lacaille 1625	7·3	2	4	45	3·76	140	1	31·9	2	0·02
182	... ...	9·0	1	4	45	34·95	129	24	45·1	1	0·02
183	Lacaille 1649	6·9	2	4	46	55·68	150	29	19·9	2	0·95
184	3 Aurigæ ι	2·7	...	4	48	20·12	57	2	52·4	13	0·38
185	Taylor 1764	6·3	2	4	50	27·62	129	50	38·8	2	0·95
186	Taylor 1780	7·0	2	4	52	19·23	144	38	31·4	2	0·03
187	R Leporis Var. 1	7·5	1	4	53	32·92	104	59	26·6	1	0·10
188	Taylor 1797	7·0	1	4	54	54·20	148	16	39·5	1	0·07
189	... ...	8·7	1	4	56	2·49	130	17	24·5	1	0·01
190	Lacaille 1697	8·0	1	4	56	57·29	129	6	56·3	1	0·02
191	11 Orionis	4·7	...	4	56	58·29	74	47	3·9	2	0·04
192	Taylor 1811	6·1	1	4	57	9·12	129	54	47·7	1	0·11
193	Taylor 1814	9·2	2	4	57	48·47	148	41	40·3	2	0·95
194	2 Leporis ε	3·3	...	4	59	49·85	112	33	7·8	8	0·28
195	... ...	7·9	1	5	0	5·21	135	23	41·6	1	0·02
196	Taylor 1852	6·9	1	5	2	13·63	144	35	17·2	1	0·95
197	Lacaille 1739	8·0	1	5	2	54·84	146	57	38·7	1	0·94
198	... ...	9·5	1	5	4	39·64	135	34	26·2	1	0·07
199	... ...	9·5	6	5	6	29·17	36	34	28·0	6	0·36
200	R Aurigæ Var. 2 ...	8·7	1	5	6	33·84	36	34	3·8	1	0·96
201	13 Aurigæ α (*Capella*) ...	0·2	...	5	6	52·11	44	8	28·6	3	0·07
202	19 Orionis β (*Rigel*)	0·3	...	5	8	8·81	98	21	29·8	4	0·04
203	... ...	9·0	1	5	8	32·01	150	36	9·1	1	0·02
204	. . . .	9·2	1	5	10	37·65	121	19	24·4	1	0·08
205	. .. .	9·7	1	5	12	3·39	129	46	35·9	1	0·07
206	. . ...	9·6	3	5	13	46·50	75	11	34·1	3	0·04
207	... .	9·1	2	5	15	1·34	121	18	28·4	2	0·08
208	Lacaille 1822	7·9	1	5	15	47·64	141	43	2·5	1	0·95
209	.. ..	9·2	1	5	16	12·49	131	48	7·8	1	0·07
210	Lacaille 1824	7·4	1	5	17	4·44	129	37	50·4	1	0·12

187.—R Leporis Var 1.—Period 428 days.—Range, 6th to 9th magnitude.
200.—R Aurigæ Var. 2.—Period 465 days.—Range, 7th to 12·7 magnitude.
206.—Comparison star for Asia in 1866.

Observed with the Madras Meridian Circle in that Year.

Number.	Star.	In Right Ascension.			In Polar Distance.			Number in B.A.C.
		Annual Precession.	Secular Variation.	Proper Motion.	Annual Precession.	Secular Variation.	Proper Motion.	
		s	s	s	"	"	"	
176	... .	+ 0·3815	+ 0·0199	...	− 6·720	+ 0·083	...	.
177	... .	+ 0·6026	+ 0·0195	...	− 6·904	+ 0·085	...	...
178	... ...	+ 1·9863	+ 0·0040	...	− 6·575	+ 0·277	...	...
179	Lacaille 1629 ..	+ 0·5409	+ 0·0197	...	− 6·550	+ 0·077	...	...
180	... .	+ 2·0962	+ 0·0036	...	− 6·533	+ 0·292	...	...
181	Lacaille 1625 ..	+ 1·3619	+ 0·0063	...	− 6·442	+ 0·219	...	...
182	... ...	+ 2·0309	+ 0·0037	...	− 6·398	+ 0·284	...	...
183	Lacaille 1649 ..	+ 0·8291	+ 0·0143	...	− 6·287	+ 0·118	...	...
184	3 Aurigæ ι	+ 3·8966	+ 0·0144	− 0·003	− 6·170	+ 0·544	+ 0·02	1520
185	Taylor 1764	+ 2·0074	+ 0·0038	...	− 5·992	+ 0·282	...	1533
186	Taylor 1780	+ 1·2695	+ 0·0084	...	− 5·836	+ 0·180	...	...
187	R Leporis Var. 1 ...	+ 2·7287	+ 0·0038	...	− 5·734	+ 0·382	...	...
188	Taylor 1797	+ 0·9959	+ 0·0111	...	− 5·620	+ 0·141	...	...
189	... .	+ 1·9825	+ 0·0038	...	− 5·524	+ 0·280	...	...
190	Lacaille 1697 ..	+ 2·0259	+ 0·0036	...	− 5·447	+ 0·286	...	...
191	11 Orionis	+ 3·4221	+ 0·0079	0·000	− 5·446	+ 0·482	+ 0·03	1557
192	Taylor 1811	+ 1·9956	+ 0·0038	...	− 5·431	+ 0·282	...	1561
193	Taylor 1814	+ 0·9541	+ 0·0111	...	− 5·376	+ 0·136	...	...
194	2 Leporis ε	+ 2·5358	+ 0·0033	+ 0·001	− 5·205	+ 0·359	+ 0·08	1575
195	... ...	+ 1·7627	+ 0·0046	...	− 5·183	+ 0·250	...	...
196	Taylor 1852	+ 1·2510	+ 0·0077	...	− 5·002	+ 0·179	...	1595
197	Lacaille 1739 ...	+ 1·0798	+ 0·0093	...	− 4·944	+ 0·155	...	...
198	... ...	+ 1·7477	+ 0·0045	...	− 4·706	+ 0·250	...	...
199	... .	+ 4·8251	+ 0·0239	...	− 4·641	+ 0·687	...	...
200	R Aurigæ Var. 2 ..	+ 4·8256	+ 0·0239	...	− 4·634	+ 0·687	...	...
201	13 Aurigæ α (*Capella*)	+ 4·4128	+ 0·0173	+ 0·008	− 4·608	+ 0·629	+ 0·43	1613
202	19 Orionis β (*Rigel*)..	+ 2·8806	+ 0·0040	− 0·001	− 4·499	+ 0·412	+ 0·02	1623
203	... ...	+ 0·7587	+ 0·0117	...	− 4·467	+ 0·110	...	..
204	... .	+ 3·2772	+ 0·0030	...	− 4·287	+ 0·326	...	...
205	... ...	+ 1·9833	+ 0·0036	...	− 4·165	+ 0·285	...	...
206	... .	+ 3·4184	+ 0·0063	...	− 4·018	+ 0·400	...	..
207	... .	+ 2·2744	+ 0·0030	...	− 3·911	+ 0·828	...	...
208	Lacaille 1822 ..	+ 1·4095	+ 0·0057	...	− 3·845	+ 0·204	...	...
209	... .	+ 1·8984	+ 0·0037	...	− 3·810	+ 0·274	...	...
210	Lacaille 1824 ..	+ 1·9843	+ 0·0034	...	− 3·735	+ 0·286	...	...

Mean Positions of Stars for 1867 January 1st.

Number.	Star.	Magnitude.	Estimations.	Mean Right Ascension.			Mean Polar Distance.			Observations.	Fraction of Year.
				h.	m.	s.	°	′	″		
211	... ...	7·0	1	5	17	39·32	153	7	11·2	1	0·07
212	112 Tauri β	1·9	...	5	17	53·15	61	30	30·9	12	0·08
213	... ...	9·3	2	5	18	25·31	121	28	45·8	2	0·52
214	R. P. L. 40	6·2	...	5	19	40·91	4	32	53·2	2	0·74
215	... ...	9·2	1	5	22	36·64	152	41	55·5	1	0·07
216	... ...	7·1	1	5	23	31·99	151	13	17·3	1	0·10
217	λ Doradûs...	6·0	1	5	24	23·14	149	1	33·1	1	0·06
218	119 Tauri	4·6	...	5	24	25·05	71	30	28·8	2	0·91
219	34 Orionis δ Var. 1 ...	2·4	..	5	25	12·75	90	24	2·2	9	0·16
220	... ...	9·5	1	5	26	12·32	121	24	17·1	1	0·08
221	11 Leporis α	2·7	...	5	26	51·82	107	55	12·1	5	0·24
222	Taylor 2057	7·8	2	5	28	3·42	151	55	30·9	2	0·08
223	Lalande 10532	8·2	1	5	29	19·54	78	15	4·2	1	0·09
224	46 Orionis ε	1·8	...	5	29	27·96	91	17	23·9	4	0·05
225	123 Tauri ζ	3·0	...	5	29	41·92	68	56	30·4	2	0·90
226	Lalande 10607	7·0	3	5	31	27·86	68	18	56·6	3	0·02
227	... ...	9·3	1	5	32	5·08	123	55	19·2	1	0·97
228	... ...	8·8	3	5	32	14·75	123	54	10·7	3	0·37
229	Lacaille 1949	6·5	1	5	32	16·38	154	18	59·9	1	0·04
230	Lacaille 1916	7·0	2	5	32	29·28	121	8	33·2	2	0·52
231	α Columbæ	2·7	...	5	34	50·10	124	8	49·4	8	0·06
232	Taylor 2113	7·4	1	5	35	13·88	130	45	27·9	1	0·10
233	Lalande 10849	8·0	3	5	37	54·54	68	19	38·5	3	0·07
234	... ...	7·8	2	5	39	20·79	79	0	9·7	2	0·53
235	Taylor 2145	6·5	1	5	39	54·82	135	53	43·0	1	0·07
236	... ...	9·3	1	5	40	37·23	120	57	54·9	1	0·08
237	W. B. E. V. 1011	8·5	1	5	40	38·90	78	57	37·6	1	0·87
238	Taylor 2184	9·0	1	5	43	56·51	150	46	22·0	1	0·07
239	... ...	9·3	1	5	44	49·03	137	10	16·1	1	0·07
240	Lalande 11098 .	8·4	3	5	45	16·79	68	29	36·9	3	0·05
241	Lacaille 2036	8·2	3	5	46	26·64	129	47	11·1	3	0·10
242	54 Orionis χ¹	4·6	..	5	46	30·31	69	45	8·0	1	0·12
243	... ...	8·0	1	5	47	6·61	135	46	48·5	1	0·10
244	Lalande 11166	7·9	2	5	47	11·56	78	32	35·0	2	0·02
245	58 Orionis α Var. 2	0·9	..	5	47	58·31	82	37	14·1	7	0·09

214.—Groombridge 914.
219.—δ Orionis Var. 1.—Supposed to vary irregularly from 2·3 to 2·7 magnitude.
223.—234.—237.—244.—Comparison star for Sappho in 1866.
226.—233.—240.—Comparison stars for Harmonia in 1861.
245.—α Orionis Var. 2. (*Betelgeuse*).—Irregularly variable from 0·9 to 1·5 magnitude.

Observed with the Madras Meridian Circle in that Year.

Number.	Star.	In Right Ascension.			In Polar Distance.			Number in B. A. C.
		Annual Precession.	Secular Variation.	Proper Motion.	Annual Precession.	Secular Variation.	Proper Motion.	
		s	s	s	"	"	"	
211	... .	+ 0·4791	+ 0·0128	...	− 3·684	+ 0·070	...	...
212	112 Tauri β .	+ 3·7855	+ 0·0082	+ 0·003	− 3·665	+ 0·545	+ 0·20	1681
213	... .	+ 2·2668	+ 0·0030	...	− 3·619	+ 0·327	..	...
214	R. P. L. 40 .	+ 18·4863	+ 0·6730	...	− 3·510	+ 2·657	..	1662
215	... ...	+ 0·5163	+ 0·0113	...	− 3·257	+ 0·075	..	.
216	... ...	+ 0·6688	+ 0·0098	...	− 3·175	+ 0·097	.	.
217	λ Doradûs	+ 0·8716	+ 0·0081	...	− 3·104	+ 0·127	..	1729
218	119 Tauri ...	+ 3·5138	+ 0·0057	0·000	− 3·101	+ 0·507	+ 0·01	1726
219	34 Orionis δ Var 1	+ 3·0628	+ 0·0038	+ 0·001	− 3·032	+ 0·143	+ 0·04	1730
220	... .	+ 2·2643	+ 0·0028	...	− 2·947	+ 0·328	.	.
221	11 Leporis α .	+ 2·6442	+ 0·0029	+ 0·001	− 2·890	+ 0·383	0·00	1741
222	Taylor 2057 ..	+ 0·5898	+ 0·0096	..	− 2·700	+ 0·086	...	...
223	Lalande 10532 ..	+ 3·3476	+ 0·0045	...	− 2·676	+ 0·455	.	.
224	46 Orionis ε .	+ 3·0422	+ 0·0035	− 0·002	− 2·664	+ 0·141	+ 0·01	1765
225	123 Tauri ζ ...	+ 3·5824	+ 0·0055	0·000	− 2·644	+ 0·519	+ 0·05	1767
226	Lalande 10607	+ 2·5996	+ 0·0053	...	− 2·549	+ 0·522	...	..
227	... ...	+ 2·1796	+ 0·0029	..	− 2·437	+ 0·317	...	...
228	... ...	+ 2·1802	+ 0·0029	..	− 2·424	+ 0·317	..	...
229	Lacaille 1949...	+ 0·3124	+ 0·0106	..	− 2·419	+ 0·046	.	1790
230	Lacaille 1016	+ 2·2690	+ 0·0027	...	− 2·402	+ 0·330	...	.
231	α Columbæ ..	+ 2·1707	+ 0·0027	+ 0·008	− 2·198	+ 0·316	0·00	1802
232	Taylor 2113	+ 1·0265	+ 0·0031	...	− 2·163	+ 0·280	..	...
233	Lalande 10849	+ 3·6010	+ 0·0046	.	− 1·930	+ 0·524	.	.
234	.. . ...	+ 3·3309	+ 0·0036	.	− 1·805	+ 0·485	..	.
235	Taylor 2145	+ 1·6080	+ 0·0033	...	− 1·756	+ 0·248	..	1836
236	... ...	+ 2·2727	+ 0·0026	...	− 1·694	+ 0·331	..	..
237	W. B. E. V. 1011	+ 3·3320	+ 0·0034	.	− 1·691	+ 0·485	...	...
238	Taylor 2184 ..	+ 0·6885	+ 0·0050	...	− 1·404	+ 0·101	...	..
239	... ...	+ 1·6330	+ 0·0033	...	− 1·327	+ 0·239	...	...
240	Lalande 11008	+ 3·5978	+ 0·0036	.	− 1·287	+ 0·528	...	...
241	Lacaille 2036	+ 1·0606	+ 0·0028	...	− 1·186	+ 0·286	.	.
242	51 Orionis χ^1	+ 3·5615	+ 0·0034	− 0·016	− 1·180	+ 0·520	+ 0·10	1876
243	... ...	+ 1·7004	+ 0·0030	..	− 1·127	+ 0·248	..	...
244	Lalande 11166	+ 3·3426	+ 0·0030	...	− 1·120	+ 0·487	...	.
245	58 Orionis α Var. 2 .	+ 3·2450	+ 0·0027	+ 0·001	− 1·052	+ 0·173	0·00	1883

213.—242.—Proper motions from "*Greenwich Catalogue* 1872."

Mean Positions of Stars for 1867 January 1st.

Number.	Star.	Magnitude.	Estimations.	Mean Right Ascension.			Mean Polar Distance.			Observations.	Fraction of Year.
				h.	m.	s.	°	′	″		
246	... ...	9·0	1	5	49	22·30	121	9	50·3	1	0·08
247	... ...	9·8	1	5	50	19·08	137	10	17·9	1	0·07
248	Lacaille 2073	7·0	1	5	50	35·57	137	12	36·7	1	0·06
249	... ...	9·0	1	5	51	15·48	141	51	59·1	1	0·05
250	Lalande 11293	7·4	4	5	51	40·58	68	24	34·8	4	0·29
251	... ...	8·3	1	5	53	7·51	130	24	57·2	1	0·07
252	... .	9·5	...	5	54	39·70	137	45	14·2	1	0·07
253	... ...	9·6	1	5	54	53·65	121	30	57·8	1	0·08
254	Lalande 11455	7·4	2	5	55	59·42	78	19	12·1	2	0·05
255	... ...	9·2	1	5	57	4·39	136	1	0·7	1	0·06
256	Taylor 2301	7·0	1	5	58	32·71	148	6	18·3	1	0·10
257	Taylor 2310	6·7	2	5	59	39·88	150	29	6·7	2	0·10
258	67 Orionis ν	4·4	...	5	59	58·69	75	13	7·6	9	0·08
259	... ...	9·8	1	6	0	5·40	121	30	53·3	1	0·08
260	Taylor 2321	6·9	1	6	0	51·72	141	5	27·0	1	0·95
261	... .	7·0	1	6	0	55·69	137	28	33·1	1	0·10
262	Lalande 11732 ...	8·0	2	6	3	32·74	77	58	54·1	2	0·09
263	... ...	9·2	1	6	3	44·89	129	58	12·0	1	0·99
264	... ...	8·1	1	6	5	47·78	77	51	30·8	1	0·01
265	... ...	9·0	1	6	6	33·10	121	29	20·3	1	0·08
266	7 Geminorum η Var. 6 ...	3·5	..	6	6	50·90	67	27	29·2	2	0·05
267	... ...	9·7	1	6	7	29·89	151	18	28·9	1	0·07
268	.. . .	9·5	1	6	7	45·69	137	6	25·1	1	0·06
269	... ...	8·1	2	6	8	55·50	131	54	49·1	2	0·09
270	.. . . .	9·2	2	6	9	32·89	131	50	55·0	2	0·02
271	... . .	7·6	1	6	11	4·98	140	53	54·8	1	0·02
272	.. .	8·8	1	6	11	50·21	121	31	31·1	1	0·08
273	Lalande 12063 . .	8·0	1	6	12	34·70	68	51	15·8	1	0·09
274	Lalande 12091 .	9·3	1	6	13	45·87	68	42	4·8	1	0·08
275	Lalande 12120	7·3	2	6	14	15·82	77	4	48·2	2	0·12
276	13 Geminorum μ	3·2	...	6	14	54·82	67	25	18·2	8	0·30
277	Lalande 12155	7·1	2	6	15	8·62	77	22	3·8	2	0·49
278	Taylor 2474	6·3	2	6	18	15·93	121	43	26·4	2	0·09
279	Lacaille 2286 .	7·0	1	6	18	49·51	153	45	51·0	1	0·03
280	... ...	8·7	1	6	19	51·11	65	39	50·9	1	0·06

250.—254.—262.—264.—275.—277.—Comparison stars for Sappho in 1865.
266.—η Geminorum Var. 6.—Period 229 days. Range, 3rd to 4th magnitude.
273.—274.—Comparison stars for Ariadne in 1866.

Observed with the Madras Meridian Circle in that Year.

Number.	Star.	In Right Ascension.			In Polar Distance.			Number in B. A. C.
		Annual Precession.	Secular Variation.	Proper Motion.	Annual Precession.	Secular Variation.	Proper Motion.	
		s	s	s	"	"	"	
246	... ...	+ 2·2613	+ 0·0024	...	− 0·930	+ 0·330	...	...
247	... ...	+ 1·6311	+ 0·0030	...	− 0·848	+ 0·238	...	...
248	Lacaille 2073 ...	+ 1·6291	+ 0·0030	...	− 0·823	+ 0·237	...	...
249	... ...	+ 1·3701	+ 0·0033	...	− 0·765	+ 0·200	...	...
250	Lalande 11293	+ 3·6008	+ 0·0028	...	− 0·728	+ 0·525	...	...
251	... ...	+ 1·9342	+ 0·0026	...	− 0·602	+ 0·282	...	...
252	... ...	+ 1·6005	+ 0·0028	...	− 0·467	+ 0·233	...	...
253	... ...	+ 2·2523	+ 0·0024	...	− 0·447	+ 0·329	...	...
254	Lalande 11455 ...	+ 3·3484	+ 0·0021	...	− 0·350	+ 0·488	...	...
255	... ...	+ 1·6870	+ 0·0027	...	− 0·256	+ 0·246	...	...
256	Taylor 2301 ...	+ 0·9236	+ 0·0030	...	− 0·127	+ 0·135	...	1954
257	Taylor 2310 ...	+ 0·7105	+ 0·0030	...	− 0·030	+ 0·104	...	...
258	67 Orionis ν ...	+ 3·4249	+ 0·0017	+ 0·001	− 0·002	+ 0·500	+ 0·02	1958
259	... ...	+ 2·2522	+ 0·0023	...	+ 0·008	+ 0·329	...	...
260	Taylor 2321	+ 1·4156	+ 0·0026	...	+ 0·076	+ 0·207	...	...
261	... ...	+ 1·6143	+ 0·0024	...	+ 0·081	+ 0·236	...	...
262	Lalande 11732 ...	+ 3·3567	+ 0·0015	...	+ 0·310	+ 0·490	...	...
263	... ...	+ 1·9516	+ 0·0023	...	+ 0·329	+ 0·285	...	...
264	... ...	+ 3·3597	+ 0·0013	...	+ 0·506	+ 0·490	...	...
265	... ...	+ 2·2533	+ 0·0022	...	+ 0·573	+ 0·329	...	...
266	7 Geminorum η Var. 6.	+ 3·6267	+ 0·0007	− 0·007	+ 0·600	+ 0·529	+ 0·02	2002
267	... ...	+ 0·6305	+ 0·0016	...	+ 0·656	+ 0·092	...	...
268	... ...	+ 1·6338	+ 0·0022	...	+ 0·679	+ 0·238	...	...
269	... ...	+ 1·8729	+ 0·0021	...	+ 0·780	+ 0·273	...	...
270	... ...	+ 1·8757	+ 0·0021	...	+ 0·836	+ 0·273	...	...
271	... ...	+ 0·7686	+ 0·0010	...	+ 0·969	+ 0·112	...	...
272	... ...	+ 2·2530	+ 0·0021	...	+ 1·035	+ 0·328	...	...
273	Lalande 12053 ...	+ 3·5884	+ 0·0002	...	+ 1·100	+ 0·523	...	...
274	Lalande 12094	+ 3·5924	0·0000	...	+ 1·197	+ 0·522	...	...
275	Lalande 12120 ...	+ 3·3782	+ 0·0005	...	+ 1·247	+ 0·487	...	...
276	13 Geminorum μ ...	+ 3·6268	− 0·0003	+ 0·005	+ 1·304	+ 0·527	+ 0·14	2047
277	Lalande 12155 ...	+ 3·3711	+ 0·0004	...	+ 1·324	+ 0·490	...	...
278	Taylor 2474	+ 2·2451	+ 0·0020	...	+ 1·596	+ 0·326	...	2073
279	Lacaille 2286	+ 0·3686	− 0·0017	...	+ 1·645	+ 0·053	...	2078
280	... ...	+ 3·6745	− 0·0011	...	+ 1·735	+ 0·533	...	...

258.—Proper motions from "*Greenwich Catalogue* 1872."

Mean Positions of Stars for 1867 January 1st.

Number.	Star.	Magnitude.	Estimations.	Mean Right Ascension.			Mean Polar Distance.			Observations.	Fraction of Year.
				h	m	s	°	′	″		
281	α Argûs (*Canopus*) ...	0·4	...	6	21	0·07	142	37	26·5	2	0·55
282	... ...	9·0	1	6	22	2·33	129	36	37·1	1	0·01
283	Lacaille 2321	7·0	1	6	23	30·63	153	20	55·6	1	0·04
284	Taylor 2524	7·7	1	6	23	32·93	131	3	10·7	1	0·09
285	Taylor 2529 .. .	7·0	2	6	24	27·07	130	59	24·2	2	0·11
286	Taylor 2541	6·0	1	6	24	58·20	147	55	6·7	1	0·12
287	... .	9·2	1	6	27	34·43	128	46	6·1	1	0·06
288	.. ..	9·5	1	6	27	51·56	131	5	25·5	1	0·96
289	... ...	6·6	2	6	28	29·22	122	7	37·9	2	0·03
290	... .	8·0	1	6	28	41·14	151	10	10·6	1	0·10
291	Taylor 2589	6·9	1	6	29	51·53	151	46	57·0	1	0·12
292	24 Geminorum γ	2·0	...	6	30	1·71	73	29	25·2	6	0·10
293	... ...	8·9	1	6	30	48·10	130	55	23·0	1	0·17
294	... ...	9·5	1	6	31	7·71	122	6	52·2	1	0·08
295	... ...	8·0	1	6	31	32·56	130	56	52·6	1	0·01
296	R Monocerotis Var. 1 ...	10·3	1	6	31	54·16	81	8	53·5	·1	0·15
297	. ...	8·9	1	6	33	59·67	130	54	26·9	1	0·06
298	.. ..	7·9	1	6	34	36·46	130	28	6·4	1	0·01
299	27 Geminorum ε	3·2	...	6	35	44·92	64	44	27·2	8	0·11
300	... ...	8·0	1	6	35	53·12	130	38	13·7	1	0·03
301	51 Cephei (*Her.*)	5·3	..	6	37	9·00	2	45	28·4	10	0·25
302	31 Geminorum ξ	3·4	...	6	37	49·35	76	57	50·8	1	0·87
303	Lacaille 2451	8·2	1	6	38	11·29	155	57	53·7	1	0·06
304	9 Canis Majoris α (*Sirius*)	− 1·4	...	6	39	17·06	106	32	10·5	2	0·05
305	... .	9·0	1	6	40	30·52	154	13	40·2	1	0·07
306	... .	8·6	2	6	42	20·38	130	57	9·1	2	0·12
307	. ...	9·3	1	6	42	43·10	130	58	16·2	1	0·07
308	.. ..	7·6	3	6	43	46·98	128	30	35·8	3	0·17
309	...	9·5	1	6	45	5·62	106	32	56·5	1	0·06
310	Lalande 13279	7·9	2	6	46	36·15	65	35	20·7	3	0·05
311	Lalande 13313 . .	8·5	3	6	47	31·01	65	49	37·9	3	0·37
312	.	8·2	1	6	48	34·87	128	48	36·3	1	0·15
313	39 Geminorum	6·7	.	6	50	35·52	63	44	52·1	5	0·08
314	Lacaille 2538 .	7·1	2	6	51	25·21	114	47	47·0	2	0·10
315	... . ..	9·5	1	6	52	48·06	132	54	32·7	1	0·08

296.—R Monocerotis Var. 1.—Irregularly variable from 9·5 to 11·5 magnitude.
310.—311.—Comparison stars for Iris in 1861.

Observed with the Madras Meridian Circle in that Year.

Number.	Star.	In Right Ascension.			In Polar Distance.			Number in B. A. C.
		Annual Precession.	Secular Variation.	Proper Motion.	Annual Precession.	Secular Variation.	Proper Motion.	
		s	s	s	"	"	"	
281	α Argûs *(Canopus)*	+ 1·3292	+ 0·0010	0·000	+ 1·836	+ 0·192	0·00	2090
282	...	+ 1·9708	+ 0·0018	...	+ 1·926	+ 0·285	...	..
283	Lacaille 2321	+ 0·4222	− 0·0028	...	+ 2·054	+ 0·060	—	...
284	Taylor 2524	+ 1·9139	+ 0·0018	...	+ 2·058	+ 0·277	...	...
285	Taylor 2529 ...	+ 1·9168	+ 0·0017	...	+ 2·136	+ 0·277	...	2121
286	Taylor 2541	+ 0·9520	− 0·0006	..	+ 2·180	+ 0·137	...	2124
287	...	+ 2·0061	+ 0·0018	...	+ 2·407	+ 0·290	...	..
288		+ 1·9148	+ 0·0016	:	+ 2·432	+ 0·276	...	..
289	...	+ 2·2389	+ 0·0018	.	+ 2·466	+ 0·323	...	...
290	—	+ 0·6623	− 0·0025	...	+ 2·504	+ 0·095	..	...
291	Taylor 2580	+ 0·6016	− 0·0031	...	+ 2·606	+ 0·086	..	2166
292	24 Geminorum γ	+ 3·4640	− 0·0015	+ 0·001	+ 2·620	+ 0·500	+ 0·04	2163
293	...	+ 1·9236	+ 0·0016	..	+ 2·687	+ 0·277	.	...
294	...	+ 2·2406	+ 0·0018	...	+ 2·717	+ 0·323	..	...
295	...	+ 1·9230	+ 0·0015	...	+ 2·752	+ 0·277	.	..
296	R Monocerotis Var. 1	+ 3·2783	− 0·0007	..	+ 2·783	+ 0·473	.	...
297	...	+ 1·9264	+ 0·0015	...	+ 2·964	+ 0·277	...	...
298	...	+ 1·9445	+ 0·0015	...	+ 3·017	+ 0·279	...	...
299	27 Geminorum ε	+ 3·6952	− 0·0035	0·000	+ 3·116	+ 0·531	+ 0·02	2194
300	...	+ 1·9387	+ 0·0014	—	+ 3·128	+ 0·278	...	...
301	51 Cephei *(Hev.)*	+ 30·4626	− 1·8975	− 0·027	+ 3·238	+ 4·384	+ 0·08	2157
302	31 Geminorum ξ	+ 3·3774	− 0·0017	− 0·007	+ 3·295	+ 0·485	+ 0·22	2206
303	Lacaille 2451	+ 0·1157	− 0·0002	...	+ 3·326	+ 0·016	...	...
304	9 Canis Maj. α *(Sirius)*	+ 2·6808	+ 0·0010	− 0·035	+ 3·420	+ 0·384	+ 1·24	2213
305	...	+ 0·3461	− 0·0076	...	+ 3·526	+ 0·048	...	...
306	...	+ 1·9317	+ 0·0013	...	+ 3·697	+ 0·275	.	...
307	...	+ 1·9312	+ 0·0013	...	+ 3·717	+ 0·275	...	...
308	...	+ 2·0277	+ 0·0013	...	+ 3·808	+ 0·288	...	...
309	...	+ 2·6825	+ 0·0009	...	+ 3·921	+ 0·382	...	...
310	Lalande 13279	+ 3·6663	− 0·0048	..	+ 4·060	+ 0·522	.	..
311	Lalande 13313	+ 3·6593	− 0·0048	...	+ 4·128	+ 0·521	.	...
312	...	+ 2·0208	+ 0·0013	...	+ 4·220	+ 0·286	—	.
313	39 Geminorum	+ 3·7155	− 0·0058	− 0·009	+ 4·301	+ 0·527	− 0·10	2275
314	Lacaille 2538	+ 2·4699	+ 0·0013	...	+ 4·462	+ 0·349	.	2284
315	—	+ 0·5275	− 0·0086	.	+ 4·581	+ 0·073	..	...

281.—Proper motions from "*Stone's Cape Catalogue.*"
301.—302.—313.—Proper motions from "*Greenwich Catalogue* 1872."

Mean Positions of Stars for 1867 January 1st.

Number.	Star.	Magnitude.	Estimations.	Mean Right Ascension.			Mean Polar Distance.			Observations.	Fraction of Year.
				h.	m.	s.	°	′	″		
316	21 Canis Majoris ε ...	1·5	..	6	53	23·89	118	47	35·9	4	0·11
317	Taylor 2805	8·0	1	6	56	11·09	69	12	42·8	1	0·03
318	43 Geminorum ζ² Var. 1 ..	4·0	.	6	56	12·04	69	14	16·0	2	0·46
319	... ...	9·5	1	6	56	27·29	129	17	33·8	1	0·06
320	Taylor 2825	9·0	1	6	56	54·09	150	54	54·8	1	0·04
321	23 Canis Majoris γ ...	4·1	...	6	57	44·44	105	26	20·8	5	0·27
322	Lalande 13707	8·0	3	6	58	17·04	67	6	54·1	3	0·10
323	W. B. N. VI. 1762 ...	9·4	3	6	58	36·42	70	55	5·3	3	0·09
324	Taylor 2840	8·1	2	6	59	5·32	150	57	6·9	2	0·17
325	47 Geminorum	5·5	...	7	3	7·09	62	55	41·5	12	0·09
326	... ...	9·5	1	7	5	4·24	153	52	24·4	1	0·15
327	Taylor 2899 ...	8·5	2	7	5	53·62	130	9	6·3	2	0·16
328	... ...	8·0	1	7	8	11·34	152	5	19·0	1	0·17
329	... ...	8·9	1	7	8	59·68	130	17	37·4	1	0·11
330	55 Geminorum δ	3·6	...	7	12	10·67	67	46	33·6	14	0·23
331	... ...	8·0	1	7	12	37·96	152	48	14·7	1	0·20
332	57 Geminorum A	5·0	...	7	15	21·84	64	41	50·4	15	0·05
333	Taylor 3005	8·0	1	7	15	31·98	149	1	14·7	1	0·16
334	Lacaille 2805	7·8	1	7	17	23·94	153	8	28·1	1	0·12
335	... ...	9·0	1	7	17	43·06	129	46	30·4	1	0·17
336	... ...	9·0	1	7	18	10·22	129	42	54·3	1	0·17
337	... ...	10·0	2	7	18	57·24	69	15	47·5	2	0·06
338	Lacaille 2807	7·8	1	7	19	36·98	142	15	44·2	1	0·18
339	... ...	9·0	1	7	19	42·63	123	8	20·2	1	0·15
340	... ...	9·5	1	7	19	51·16	153	35	56·8	1	0·20
341	... ...	7·9	1	7	25	32·94	129	18	27·7	1	0·18
342	68 Geminorum	5·0	...	7	26	0·87	73	53	26·9	2	0·95
343	66 Geminorum α² (*Castor*).	1·6	...	7	26	6·63	57	49	23·8	12	0·21
344	69 Geminorum υ	4·2	.	7	27	43·42	62	48	42·5	4	0·05
345	... ...	7·9	1	7	30	41·50	121	54	50·5	1	0·19
346	Taylor 3133	6·7	2	7	31	9·67	65	28	41·4	2	0·01
347	... ...	8·7	1	7	31	10·02	131	10	58·2	1	0·18
348	74 Geminorum f	5·2	..	7	31	47·76	72	0	52·8	1	0·20
349	10 Canis Min. α (*Procyon*).	0·5	...	7	32	20·28	84	26	13·0	16	0·18
350	... ...	9·9	2	7	34	14·55	68	9	14·1	2	0·15

318.—ζ Geminorum Var. 1.—Period 10·16 days.—Range, 3·7 to 4·5 magnitude.
323.—Comparison star for Hestia in 1867.
350.—Observed by mistake for Thetis.

Observed with the Madras Meridian Circle in that Year.

Number.	Star.	In Right Ascension.			In Polar Distance.			Number in B.A.C.
		Annual Precession.	Secular Variation.	Proper Motion.	Annual Precession.	Secular Variation.	Proper Motion.	
		s	s	s	"	"	"	
316	21 Canis Majoris ε ...	+ 2·3571	+ 0·0013	0·000	+ 4·630	+ 0·332	+ 0·02	2293
317	Taylor 2805	+ 3·5045	− 0·0050	...	+ 4·869	+ 0·502	...	.
318	43 Gem. ζ³ Var. 1 ..	+ 3·5639	− 0·0050	− 0·001	+ 4·870	+ 0·503	+ 0·01	2305
319	.. . .	+ 2·0111	+ 0·0012	...	+ 4·891	+ 0·282	...	—.
320	Taylor 2825	+ 0·7424	− 0·0070	..	+ 4·928	+ 0·103	...	.
321	23 Canis Majoris γ ..	+ 2·7145	+ 0·0005	+ 0·002	+ 5·000	+ 0·381	+ 0·01	2319
322	Lalande 13707 ..	+ 3·6183	− 0·0057	...	+ 5·045	+ 0·509	...	..
323	W. B. N. VI. 1762...	+ 3·5196	− 0·0049	...	+ 5·073	+ 0·495	...	...
324	Taylor 2840	+ ·0·7446	− 0·0074	...	+ 5·113	+ 0·103	...	.
325	47 Geminorum .	+ 3·7297	− 0·0077	− 0·003	+ 5·455	+ 0·522	+ 0·03	2343
326	.. ..	+ 0·4552	− 0·0125	...	+ 5·617	+ 0·062	...	..
327	Taylor 2899	+ 1·0905	+ 0·0010	...	+ 5·687	+ 0·277	...	..
328	.. ..	+ 0·6591	− 0·0102	...	+ 5·870	+ 0·089	...	...
329	. ... ..	+ 1·9895	+ 0·0010	...	+ 5·946	+ 0·274	...	...
330	Geminorum δ ...	+ 3·5915	− 0·0072	0·000	+ 6·212	+ 0·495	+ 0·02	2410
331	.. . ...	+ 0·5998	− 0·0119	...	+ 6·250	+ 0·060	...	...
332	57 Geminorum A ...	+ 3·6703	− 0·0087	0·000	+ 6·477	+ 0·504	+ 0·02	2431
333	Taylor 3005	+ 0·9651	− 0·0071	...	+ 6·491	+ 0·130	..	...
334	Lacaille 2805 ...	+ 0·5812	− 0·0132	...	+ 6·644	+ 0·077	...	..
335	... ...	+ 2·0226	+ 0·0009	...	+ 6·671	+ 0·275	...	..
336	. ...	+ 2·0255	+ 0·0010	...	+ 6·708	+ 0·275	...	...
337	.. ..	+ 3·5186	− 0·0074	...	+ 6·773	+ 0·484	...	...
338	Lacaille 2807 ...	+ 1·4479	− 0·0023	...	+ 6·827	+ 0·196	...	...
339	.. ..	+ 2·2515	+ 0·0013	...	+ 6·835	+ 0·306	..	...
340	... .	+ 0·6478	− 0·0127	...	+ 6·848	+ 0·086	...	...
341	... .	+ 2·0529	+ 0·0009	...	+ 7·314	+ 0·276	...	...
342	68 Geminorum ...	+ 3·4314	− 0·0066	− 0·004	+ 7·352	+ 0·463	0·00	2486
343	66 Gem. α² *Castor* ..	+ 3·8540	− 0·0133	− 0·013	+ 7·359	+ 0·519	+ 0·08	2485
344	69 Geminorum υ ..	+ 3·7092	− 0·0110	− 0·001	+ 7·490	+ 0·499	+ 0·11	2493
345	... .	+ 2·3038	+ 0·0012	...	+ 7·731	+ 0·307	...	..
346	Taylor 3133	+ 3·6344	− 0·0102	...	+ 7·768	+ 0·457	..	2514
347	... .	+ 1·9937	+ 0·0008	...	+ 7·770	+ 0·265	...	.
348	74 Geminorum *f* .	+ 3·4718	− 0·0078	0·000	+ 7·820	+ 0·463	− 0·01	2519
349	10Can.Min.α(*Procyon*)	+ 3·1918	− 0·0041	− 0·048	+ 7·863	+ 0·425	+ 1·08	2522
350	... ...	+ 3·5634	− 0·0094	...	+ 8·016	+ 0·473	...	...

332.—Proper motions from "*Greenwich Catalogue* 1872."

Mean Positions of Stars for 1867 January 1st.

Number.	Star.	Magnitude.	Estimations.	Mean Right Ascension.			Mean Polar Distance.			Observations.	Fraction of Year.
				h.	m.	s.	°	′	″		
351	... ...	9·9	2	7	34	52·28	68	10	13·3	2	0·15
352	... .	9·0	1	7	35	12·72	129	58	16·0	1	0·04
353	... ...	8·0	1	7	35	21·94	153	0	1·9	1	0·19
354	76 Geminorum c	5·3	..	7	35	59·85	63	54	7·8	3	0·03
355	... .	8·0	1	7	36	50·30	129	57	41·8	1	0·04
356	... .	7·6	1	7	36	53·55	130	51	17·3	1	0·20
357	78 Geminorum β (*Pollux*).	1·1	...	7	37	10·41	61	39	20·9	11	0·13
358	.. ..	10·3	1	7	37	32·39	68	30	8·0	1	0·07
359	... ...	8·2	1	7	37	39·50	130	58	31·3	1	0·18
360	... ...	7·1	2	7	39	11·57	131	9	2·9	2	0·14
361	Lacaille 2971	6·9	1	7	40	22·52	143	55	24·4	1	0·19
362	... ...	9·5	1	7	42	12·51	152	58	22·3	1	0·06
363	... ...	9·2	1	7	44	16·12	130	56	27·5	1	0·15
364	R. P. L. 49	6·5	...	7	44	40·44	5	34	7·3	1	0·18
365	83 Geminorum φ	4·9	...	7	45	21·37	62	53	35·5	3	0·02
366	Brisbane 1791	8·0	1	7	46	22·47	144	25	7·1	1	0·06
367	Taylor 3293	7·3	2	7	46	35·47	141	44	34·1	2	0·20
368	... ...	8·1	1	7	47	8·14	153	21	15·1	1	0·19
369	U Geminorum Var. 5 ...	10·2	1	7	47	12·75	67	39	6·8	1	0·06
370	... ...	9·5	1	7	48	48·96	129	55	18·4	1	0·20
371	1 Cancri	5·9	...	7	49	26·33	73	51	26·2	1	0·12
372	Taylor 3323	7·0	1	7	49	51·25	149	16	9·5	1	0·19
373	W. B. N. VII. 1473 ..	7·5	2	7	53	42·27	64	32	51·7	3	0·06
374	... ...	8·8	1	7	53	47·19	149	53	19·0	1	0·17
375	6 Cancri	5·0	...	7	55	20·73	61	50	8·7	3	0·13
376	8 Cancri	5·1	...	7	57	39·85	76	30	20·0	1	0·13
377	.. ..	9·0	1	7	57	41·32	150	24	35·8	1	0·08
378	.. ..	10·2	1	8	0	19·60	78	28	23·3	1	0·06
379	... .	8·0	2	8	1	25·01	150	31	52·9	2	0·19
380	15 Argûs	2·9	..	8	1	52·85	113	55	22·8	10	0·16
381	.. ... .	9·2	1	8	2	18·48	128	39	58·3	1	0·08
382	14 Cancri ψ[1]	8·8		8	2	26·11	64	5	31·2	2	0·01
383	... ...	9·6	1	8	4	31·68	154	41	5·1	1	0·21
384	16 Cancri ζ .	5·4	...	8	4	31·86	71	57	13·8	1	0·05
385	Lacaille 3200	6·8	3	8	4	50·21	153	7	57·4	3	0·11

364.—Groombridge 1350.
369.—U Geminorum Var. 5.—Period 90 days but irregular.—Range, 9th to below 14th magnitude.

Observed with the Madras Meridian Circle in that Year.

Number.	Star.	In Right Ascension. Annual Precession.	In Right Ascension. Secular Variation.	In Right Ascension. Proper Motion.	In Polar Distance. Annual Precession.	In Polar Distance. Secular Variation.	In Polar Distance. Proper Motion.	Number in B. A. C.
		s	s	s	"	"	"	
351	...	+ 3·5624	− 0·0095	...	+ 8·067	+ 0·472	...	...
352	... ...	+ 2·0467	+ 0·0008	...	+ 8·094	+ 0·270	...	...
353	... ...	+ 0·6721	− 0·0152	...	+ 8·106	+ 0·087	...	...
354	76 Geminorum c	+ 3·6704	− 0·0124	0·000	+ 8·157	+ 0·485	+ 0·03	2540
355	... ...	+ 2·0503	+ 0·0008	...	+ 8·224	+ 0·269	...	...
356	... ...	+ 2·0176	+ 0·0009	...	+ 8·228	+ 0·264	...	...
357	78 Gem. β (*Pollux*) ..	+ 3·7294	− 0·0128	+ 0·049	+ 8·251	+ 0·491	+ 0·06	2555
358	... ...	+ 3·5518	− 0·0095	...	+ 8·279	+ 0·468	...	...
359	... ...	+ 2·0148	+ 0·0008	...	+ 8·289	+ 0·264	...	...
360	... ...	+ 2·0114	+ 0·0009	...	+ 8·411	+ 0·262	...	...
361	Lacaille 2971 ...	+ 1·4104	− 0·0038	...	+ 8·506	+ 0·182	...	...
362	... .	+ 0·7075	− 0·0158	...	+ 8·650	+ 0·089	...	...
363	... ...	+ 2·0303	+ 0·0008	...	+ 8·812	+ 0·262	...	...
364	R. P. L. 49	+ 15·3796	− 1·2263	...	+ 8·845	+ 2·009	...	2585
365	83 Geminorum φ ..	+ 3·6854	− 0·0130	− 0·004	+ 8·898	+ 0·478	+ 0·05	2617
366	Brisbane 1791 ..	+ 1·4010	− 0·0043	...	+ 8·978	+ 0·179	...	...
367	Taylor 3293	+ 1·3818	− 0·0045	...	+ 8·994	+ 0·176	...	...
368	... ...	+ 0·6935	− 0·0170	...	+ 9·038	+ 0·086	...	...
369	U Geminorum Var. 5.	+ 3·5627	− 0·0108	...	+ 9·044	+ 0·460	...	...
370	... .	+ 2·0771	+ 0·0010	...	+ 9·168	+ 0·266	...	...
371	1 Cancri	+ 3·4159	− 0·0084	− 0·001	+ 9·217	+ 0·439	+ 0·04	2639
372	Taylor 3323	+ 1·0765	− 0·0095	...	+ 9·249	+ 0·135	...	...
373	W. B. N. VII. 1473..	+ 3·6317	− 0·0130	...	+ 9·547	+ 0·462	...	...
374	. .. ..	+ 1·0451	− 0·0104	...	+ 9·553	+ 0·130	...	...
375	6 Cancri	+ 3·6991	− 0·0148	− 0·005	+ 9·673	+ 0·468	+ 0·07	2672
376	8 Cancri . .	+ 3·3516	− 0·0079	− 0·003	+ 9·850	+ 0·422	+ 0·05	2690
377	. .. ...	+ 0·4053	− 0·0273	...	+ 9·852	+ 0·048	...	...
378	. ...	+ 3·3077	− 0·0074	...	+ 10·052	+ 0·413	...	...
379	.. ...	+ 1·0305	− 0·0116	...	+ 10·136	+ 0·126	...	...
380	15 Argûs	+ 2·5608	+ 0·0009	− 0·007	+ 10·170	+ 0·318	− 0·06	2728
381	... .	+ 2·1510	+ 0·0015	...	+ 10·202	+ 0·266	...	...
382	14 Cancri ψ²	+ 3·6311	− 0·0140	− 0·006	+ 10·212	+ 0·452	+ 0·35	2730
383	... ..	+ 0·6531	− 0·0217	...	+ 10·373	+ 0·078	...	...
384	16 Cancri 3	+ 3·4450	− 0·0103	+ 0·004	+ 10·373	+ 0·426	+ 0·11	2744
385	Lacaille 3200 ...	+ 0·8151	− 0·0172	...	+ 10·391	+ 0·098	...	...

371.—Proper motions from "*Greenwich Catalogue* 1872."
376.—Proper motions from "*Greenwich Catalogue* 1864."

Mean Positions of Stars for 1867 January 1st.

Number.	Star.	Magnitude.	Estimations.	Mean Right Ascension.			Mean Polar Distance.			Observations.	Fraction of Year.
				h.	m.	s.	°	′	″		
386	... ...	9·4	1	8	5	36·44	77	25	31·2	1	0·16
387	... ...	9·5	1	8	5	43·67	128	39	18·3	1	0·21
388	... ...	8·0	1	8	6	10·35	128	41	3·0	1	0·15
389	... ...	9·5	1	8	6	12·24	128	40	14·6	1	0·08
390	... ...	9·2	1	8	8	40·56	128	38	56·0	1	0·15
391	W. B. E. VIII. 220 ...	8·0	3	8	9	36·98	90	22	16·2	3	0·19
392	... ...	9·7	1	8	10	9·07	150	47	12·9	1	0·06
393	... ...	9·2	1	8	10	29·29	151	26	51·2	1	0·20
394	... .	8·0	1	8	11	53·20	152	1	51·5	1	0·19
395	.. ..	9·5	1	8	12	1·93	131	43	22·6	1	0·15
396	... ...	8·0	1	8	12	23·81	128	44	13·0	1	0·20
397	... ...	9·4	4	8	13	19·74	131	43	29·3	4	0·17
398	W. B. E. VIII. 383 ...	7·8	3	8	15	35·46	100	19	37·9	4	0·17
399	... ...	9·5	1	8	16	35·60	77	32	20·5	1	0·15
400	... ...	8·7	1	8	17	32·62	77	49	42·9	1	0·17
401	... ...	9·5	1	8	18	1·12	154	23	16·6	1	0·06
402	Taylor 3599	6·9	3	8	20	21·35	144	53	21·0	3	0·19
403	Taylor 3607 ...	6·8	1	8	21	19·61	144	55	57·8	1	0·19
404	... ...	8·0	1	8	21	36·53	131	42	10·0	1	0·15
405	... ...	9·3	1	8	21	41·90	153	18	6·4	1	0·21
406	... .	7·1	1	8	23	35·39	144	53	42·9	1	0·20
407	33 Cancri η	5·5	...	8	25	0·86	69	6	35·0	10	0·23
408	Taylor 3651	6·7	1	8	25	46·17	130	3	56·7	1	0·13
409	Taylor 3652	7·7	1	8	25	50·31	130	3	15·7	1	0·13
410	... ...	8·0	...	8	26	11·25	145	0	34·9	1	0·09
411	. ...	9·1	1	8	28	48·05	75	19	43·9	1	0·18
412	Lalande 16890	7·9	1	8	28	51·74	73	13	29·5	1	0·19
413	... ...	9·3	1	8	28	57·72	70	41	16·7	1	0·20
414	W. B. N. VIII. 690 ...	9·0	1	8	29	41·42	70	40	16·6	1	0·06
415	.. .	9·0	1	8	31	19·17	129	46	2·1	1	0·21
416	Taylor 3710	7·1	1	8	31	29·53	141	21	41·8	1	0·17
417	.	8·4	1	8	34	11·25	154	21	4·6	1	0·15
418	Lacaille 3475	6·0		8	34	57·13	152	23	13·8	1	0·26
419	43 Cancri γ ...	4·8	...	8	35	35·01	68	3	20·7	1	0·05
420	Lacaille 3491	6·9	2	8	36	4·44	152	22	30·1	2	0·19

391.—398.—Comparison star for Phocea in 1867.
412.—Comparison star for Freia in 1864.

Observed with the Madras Meridian Circle in that Year.

Number.	Star.	In Right Ascension. Annual Precession.	In Right Ascension. Secular Variation.	In Right Ascension. Proper Motion.	In Polar Distance. Annual Precession.	In Polar Distance. Secular Variation.	In Polar Distance. Proper Motion.	Number in B.A.C.
		s	s	s	"	"	"	
386	.. .. ..	+ 3·3267	− 0·0081		+ 10·449	+ 0·410	...	...
387	... ...	+ 2·1596	+ 0·0016	...	+ 10·458	+ 0·265	...	...
388	... .	+ 2·1597	+ 0·0016	..	+ 10·491	+ 0·264	...	...
389	... .	+ 2·1603	+ 0·0016		+ 10·494	+ 0·263	...	...
390	... .	+ 2·1671	+ 0·0017	..	+ 10·678	+ 0·263	...	...
391	W. B. E. VIII. 220..	+ 2·8855	− 0·0015	...	+ 10·747	+ 0·350	...	...
392	... ..	+ 1·0564	− 0·0120	...	+ 10·757	+ 0·125	...	...
393	... ..	+ 1·0027	− 0·0133	...	+ 10·811	+ 0·118	...	...
394	... ...	+ 0·9599	− 0·0146	...	+ 10·915	+ 0·112	.	...
395	. ... ..	+ 2·0723	+ 0·0014	...	+ 10·925	+ 0·248	..	...
396	.. ..	+ 2·1736	+ 0·0018	...	+ 10·952	+ 0·261	...	...
397	...	+ 2·0760	+ 0·0015	..	+ 11·020	+ 0·248	...	...
398	W. B. E. VIII. 383..	+ 2·8699	− 0·0014	...	+ 11·185	+ 0·343	...	...
399	... .	+ 3·3166	− 0·0085	..	+ 11·258	+ 0·395	...	...
400	... ...	+ 3·3101	− 0·0084	...	+ 11·326	+ 0·394	...	...
401	... ..	+ 0·7738	− 0·0207	...	+ 11·361	+ 0·088	...	...
402	Taylor 3599	+ 1·5161	− 0·0039	...	+ 11·529	+ 0·176	...	...
403	Taylor 3607	+ 1·5182	− 0·0038	...	+ 11·598	+ 0·176	...	...
404	... .	+ 2·1010	+ 0·0018	...	+ 11·617	+ 0·245	...	..
405	... .	+ 0·9056	− 0·0174	...	+ 11·624	+ 0·103	..	...
406	.. .. .	+ 1·5814	− 0·0037	..	+ 11·750	+ 0·176	.	...
407	33 Cancri η ..	+ 3·4835	− 0·0129	− 0·005	+ 11·860	+ 0·404	+ 0·06	2862
408	Taylor 3651 ..	+ 2·1675	+ 0·0022		+ 11·913	+ 0·249	...	...
409	Taylor 3652	+ 2·1681	+ 0·0022	...	+ 11·917	+ 0·249		...
410	... ..	+ 1·5376	− 0·0036	.	+ 11·942	+ 0·175	...	...
411	.. .. ..	+ 3·3509	− 0·0092	...	+ 12·127	+ 0·384	...	...
412	Lalande 16890 .	+ 3·3931	− 0·0110	...	+ 12·130	+ 0·389	...	...
413	.. ..	+ 3·4451	− 0·0124	...	+ 12·137	+ 0·395	...	.
414	W. B. N. VIII. 699.	+ 3·4446	− 0·0124	...	+ 12·187	+ 0·394	...	...
415	...	+ 2·1933	+ 0·0014	...	+ 12·290	+ 0·222	...	...
416	Taylor 3710 .	+ 1·7519	− 0·0006	...	+ 12·312	+ 0·197	...	..
417	..	+ 0·8945	− 0·0197	...	+ 12·497	+ 0·097	...	..
418	Lacaille 3473 ..	+ 1·0784	− 0·0142	...	+ 12·549	+ 0·118	...	2930
419	43 Cancri γ ..	+ 3·4912	− 0·0143	− 0·011	+ 12·593	+ 0·390	− 0·01	2937
420	Lacaille 3491 ...	+ 1·0873	− 0·0141	...	+ 12·620	+ 0·118	..	2949

Mean Positions of Stars for 1867 January 1st.

Number.	Star.	Magnitude.	Estimations.	Mean Right Ascension.			Mean Polar Distance.			Observations.	Fraction of Year.
				h.	m.	s.	°	′	″		
421	b Velorum	4·1	...	8	36	12·94	136	10	37·8	2	0·19
422	47 Cancri δ	4·3	...	8	37	7·41	71	21	31·0	2	0·16
423	11 Hydræ ε	3·6	...	8	39	43·85	83	5	43·7	9	0·16
424	... ...	7·7	1	8	40	36·21	129	16	13·8	1	0·18
425	... ...	8·4	2	8	45	56·11	86	27	52·2	2	0·15
426	.. ..	7·8	1	8	46	50·52	132	53	55·3	1	0·20
427	... ...	7·9	3	8	46	59·78	136	2	35·5	3	0·23
428	R. P. L. 60	6·3	...	8	47	4·33	5	17	35·5	3	0·33
429	... ...	7·0	1	8	48	51·38	133	1	45·0	1	0·18
430	... ...	7·5	...	8	49	26·63	132	59	40·3	1	0·06
431	... ...	8·8	1	8	50	21·07	132	57	36·6	1	0·06
432	... ...	8·3	2	8	52	22·35	77	33	11·2	2	0·18
433	... ...	8·0	1	8	54	8·10	132	54	22·9	1	0·19
434	... ...	8·5	1	8	54	53·87	130	36	11·6	1	0·18
435	... ...	7·8	2	8	55	14·21	146	57	22·7	2	0·23
436	... ...	7·9	1	8	56	44·33	146	56	26·4	1	0·25
437	... ...	8·9	1	8	58	14·40	146	19	6·1	1	0·25
438	76 Cancri κ	5·0	...	9	0	32·61	78	47	54·5	1	0·28
439	... ...	8·3	1	9	4	31·47	132	46	11·8	1	0·16
440	Lacaille 3713	7·0	1	9	4	40·33	143	49	57·1	1	0·18
441	... .	9·3	3	9	5	14·64	124	49	2·4	3	0·21
442	Taylor 4026	7·3	3	9	6	1·72	132	43	20·8	3	0·23
443	Taylor 4028	8·0	3	9	6	11·69	132	43	39·9	3	0·20
444	... ...	10·0	1	9	7	39·90	124	47	57·5	1	0·24
445	Lacaille 3747 ...	7·8	5	9	7	49·94	150	24	33·5	5	0·26
446	... ..	8·7	1	9	9	22·46	150	32	31·1	1	0·25
447	Lacaille 3761	7·3	2	9	9	34·74	150	22	9·9	2	0·27
448	... .	9·6	1	9	10	18·52	150	26	7·1	1	0·27
449	... .. .	7·9	3	9	10	49·09	150	21	34·7	3	0·25
450	... ...	9·5	2	9	11	4·42	70	41	32·1	2	0·15
451	83 Cancri ...	6·6	..	9	11	33·26	71	43	58·0	4	0·20
452	... ..	8·7	3	9	12	27·46	124	48	17·5	3	0·20
453	... ..	10·1	2	9	13	6·17	70	32	56·5	2	0·15
454	ι Argûs	2·5	...	9	13	32·04	148	43	7·1	1	0·16
455	. . .	8·4	2	9	15	9·17	150	29	30·3	2	0·26

425.—Star for map of S Hydræ Var. 3.
428.—Carrington 1286.
450.—Observed by mistake for Diana.

Observed with the Madras Meridian Circle in that Year.

Number.	Star.	In Right Ascension.			In Polar Distance.			Number in B. A. C.
		Annual Precession.	Secular Variation.	Proper Motion.	Annual Precession.	Secular Variation.	Proper Motion.	
		s	s	s	"	"	"	
421	δ Velorum ..	+ 1·9903	+ 0·0018	..	+ 12·635	+ 0·221	.	2947
422	47 Cancri δ	+ 3·4212	− 0·0125	− 0·002	+ 12·697	+ 0·382	+ 0·24	2953
423	11 Hydræ ε	+ 3·1962	− 0·0071	− 0·013	+ 12·873	+ 0·351	+ 0·04	2971
424	... .	+ 2·2366	+ 0·0031	...	+ 12·931	+ 0·244	...	...
425	... ...	+ 3·1340	− 0·0058	...	+ 13·284	+ 0·277	...	...
426	... ...	+ 2·1448	+ 0·0032	..	+ 13·344	+ 0·228	...	...
427	. ...	+ 2·0376	+ 0·0026	..	+ 13·354	+ 0·216	..	...
428	R. P. L. 60 ..	+ 13·8358	− 1·7290	...	+ 13·359	+ 1·499	...	...
429	.. ..	+ 2·1478	+ 0·0033	..	+ 13·475	+ 0·226	...	...
430	... .	+ 2·1511	+ 0·0033	...	+ 13·513	+ 0·226	...	...
431	. . ..	+ 2·1560	+ 0·0034	...	+ 13·573	+ 0·226	...	...
432	. ...	+ 3·2876	− 0·0098	..	+ 13·701	+ 0·344	...	...
433	.. ..	+ 2·1712	+ 0·0037	...	+ 13·813	+ 0·223	...	...
434	... .	+ 2·2439	+ 0·0039	...	+ 13·862	+ 0·231	...	...
435	.. ..	+ 1·5889	− 0·0030	...	+ 13·883	+ 0·161	...	...
436	... ...	+ 1·5091	− 0·0027	...	+ 13·977	+ 0·161	...	...
437	... .	+ 1·6428	− 0·0018	...	+ 14·071	+ 0·165	...	...
438	76 Cancri κ . ..	+ 3·2588	− 0·0093	− 0·002	+ 14·215	+ 0·329	0·00	3111
439	... ...	+ 2·2150	+ 0·0046	...	+ 14·458	+ 0·218	...	...
440	Lacaille 3713	+ 1·8055	+ 0·0010	...	+ 14·467	+ 0·176	...	...
441	... .	+ 2·4296	+ 0·0045	..	+ 14·502	+ 0·239	...	...
442	Taylor 4026	+ 2·2223	+ 0·0048	...	+ 14·549	+ 0·217	...	...
443	Taylor 4028	+ 2·2228	+ 0·0048	..	+ 14·559	+ 0·217	...	...
444	.. .	+ 2·4374	+ 0·0046	...	+ 14·647	+ 0·237	...	...
445	Lacaille 3747 ...	+ 1·4651	− 0·0057	...	+ 14·657	+ 0·140	...	...
446	... .	+ 1·4681	− 0·0057	.	+ 14·749	+ 0·138	...	...
447	Lacaille 3761...	+ 1·4808	− 0·0052	..	+ 14·761	+ 0·140	...	...
448	. ... ..	+ 1·4822	− 0·0052	..	+ 14·804	+ 0·140	...	...
449	. . .	+ 1·4909	− 0·0050	...	+ 14·834	+ 0·140	...	...
450	. . ..	+ 3·3869	− 0·0140	.	+ 14·849	+ 0·326	...	...
451	83 Cancri . .	+ 3·3680	− 0·0134	− 0·012	+ 14·877	+ 0·323	+ 0·16	3171
452	.. .	+ 2·4516	+ 0·0050	. .	+ 14·930	+ 0·233	...	...
453	.. . ..	+ 3·3863	− 0·0142	..	+ 14·968	+ 0·322	...	...
454	ι Argûs .. .	+ 1·6106	− 0·0022	..	+ 14·993	+ 0·150	...	3186
455	... .	+ 1·5157	− 0·0044	.	+ 15·067	+ 0·140	...	...

Mean Positions of Stars for 1867 January 1st.

Number.	Star.	Magnitude.	Estimations.	Mean Right Ascension.			Mean Polar Distance.			Observations.	Fraction of Year.
				h.	m.	s.	°	′	″		
456	... ...	8·3	3	9	15	20·97	150	25	4·7	3	0·25
457	... ...	7·5	1	9	15	21·49	143	49	27·4	1	0·17
458	... ...	8·0	1	9	15	43·01	124	47	39·8	1	0·16
459	... ...	9·3	2	9	16	30·58	70	27	25·7	2	0·14
460	... ...	9·7	1	9	16	38·98	124	48	18·3	1	0·24
461	... ...	8·0	1	9	19	6·07	70	22	4·9	1	0·12
462	... ...	8·5	2	9	19	25·17	150	31	25·8	2	0·26
463	... ...	8·7	2	9	19	51·17	125	21	57·8	2	0·17
464	... ...	8·3	1	9	20	34·82	125	23	42·9	1	0·16
465	30 Hydræ α Var. 2 ...	2·0	...	9	21	3·03	98	5	2·5	7	0·20
466	Lalande 18636	8·7	2	9	21	51·52	68	30	24·0	2	0·21
467	Lalande 18659	9·2	2	9	22	47·90	67	50	14·1	2	0·24
468	Lalande 18683	9·4	2	9	23	27·84	68	7	37·3	2	0·20
469	6 Leonis *h*	5·4	...	9	24	49·70	79	41	59·1	2	0·13
470	Lalande 18730	9·1	3	9	25	2·60	68	38	37·4	3	0·20
471	... ...	8·8	1	9	26	48·02	145	3	14·7	1	0·26
472	Taylor 4222	7·5	3	9	27	50·21	146	24	8·3	3	0·15
473	... ...	8·5	2	9	28	22·06	146	32	46·0	2	0·17
474	... ...	9·0	3	9	31	28·95	126	26	34·8	3	0·20
475	... ...	8·5	3	9	32	19·69	129	40	39·4	3	0·22
476	R. P. L. 69	7·9	...	9	33	50·34	2	47	34·6	2	0·24
477	14 Leonis *o*	3·8	...	9	34	3·03	79	30	15·0	1	0·20
478	Lacaille 3989	7·0	1	9	34	35·71	148	34	36·0	1	0·26
479	... ...	9·0	1	9	35	36·60	148	30	24·2	1	0·25
480	... ...	7·7	3	9	35	54·83	148	40	58·7	3	0·23
481	... .	8·6	1	9	36	53·89	151	54	38·9	1	0·28
482	... ...	6·9	1	9	37	0·22	148	25	5·9	1	0·26
483	... ...	8·0	2	9	37	10·50	148	32	6·1	2	0·26
484	R Leonis Minoris Var. 1...	7·3	3	9	37	35·44	54	52	43·9	3	0·16
485	17 Leonis ε	3·1	...	9	38	17·81	65	36	55·4	12	0·20
486	... ...	7·9	1	9	39	44·76	148	34	33·2	1	0·26
487	*l* Carinæ Var. 1	...	...	9	41	35·69	151	53	45·8	1	0·25
488	... ...	8·0	1	9	41	36·77	130	46	40·3	1	0·14
489	Taylor 4337	7·0	1	9	41	56·01	146	26	5·4	1	0·26
490	... ...	8·0	1	9	42	40·43	130	48	39·4	1	0·27

459.—461.—Observed by mistake for Diana.
465.—α Hydræ Var. 2.—Supposed to vary irregularly from 2·0 to 2·5 magnitude.
466.—467.—468.—470.—Comparison stars for Metis in 1861.
476.—Carrington 1418.
484.—R Leonis Minoris Var. 1.—Period 375 days.—Range, 6·5 to below 11th magnitude.
487.—*l* Carinæ Var. 1.—Period 31 days.—Range, 3·7 to 5·2 magnitude.

Observed with the Madras Meridian Circle in that Year.

Number.	Star.	In Right Ascension.			In Polar Distance.			Number in B. A. C.
		Annual Precession.	Secular Variation.	Proper Motion.	Annual Precession.	Secular Variation.	Proper Motion.	
		s	s	s	"	"	"	
456	... ...	+ 1·5220	− 0·0012	...	+ 15·098	+ 0·140	...	...
457	... ...	+ 1·8687	+ 0·0026	...	+ 15·098	+ 0·174	...	...
458	... .	+ 2·4617	+ 0·0053	...	+ 15·110	+ 0·229	...	...
459	. ...	+ 3·3827	− 0·0142	...	+ 15·165	+ 0·316	...	...
460	.. ..	+ 2·4643	+ 0·0053	...	+ 15·173	+ 0·228	...	...
461	... ...	+ 3·3801	− 0·0114	...	+ 15·312	+ 0·311	...	...
462	... ...	+ 1·5460	− 0·0035	...	+ 15·330	+ 0·138	...	...
463	.. ..	+ 2·4616	+ 0·0056	...	+ 15·355	+ 0·224	...	...
464	... .	+ 2·4633	+ 0·0057	...	+ 15·396	+ 0·223	...	...
465	30 Hydræ α Var. 2 ...	+ 2·9506	− 0·0013	− 0·004	+ 15·423	+ 0·268	− 0·03	3223
466	Lalande 18636 ...	+ 3·4072	− 0·0158	...	+ 15·467	+ 0·310	...	...
467	Lalande 18659 .	+ 3·4170	− 0·0161	...	+ 15·519	+ 0·309	...	...
468	Lalande 18683 ..	+ 3·4109	− 0·0159	...	+ 15·556	+ 0·308	...	...
469	6 Leonis h .	+ 3·2244	− 0·0092	− 0·002	+ 15·631	+ 0·288	+ 0·02	3251
470	Lalande 18730 ...	+ 3·3092	− 0·0156	...	+ 15·643	+ 0·304	...	...
471	... .	+ 1·8863	+ 0·0037	...	+ 15·738	+ 0·164	...	...
472	Taylor 4222	+ 1·8320	+ 0·0029	...	+ 15·795	+ 0·158	...	...
473	.. ..	+ 1·8288	+ 0·0029	...	+ 15·823	+ 0·157	...	...
474	... ...	+ 2·4762	+ 0·0067	...	+ 15·980	+ 0·211	...	...
475	... .	+ 2·4059	+ 0·0072	...	+ 16·034	+ 0·204	...	...
476	R. P. L. 69	+ 19·3895	− 5·7291	...	+ 16·113	+ 1·677	...	...
477	14 Leonis ο . ..	+ 3·2193	− 0·0093	− 0·013	+ 16·124	+ 0·272	+ 0·04	3312
478	Lacaille 3980	+ 1·7750	+ 0·0024	...	+ 16·152	+ 0·147	..	...
479	.. ..	+ 1·7865	+ 0·0027	..	+ 16·205	+ 0·147	...	...
480	. . ..	+ 1·7792	+ 0·0026	..	+ 16·220	+ 0·146	...	...
481	... .	+ 1·6076	− 0·0016	...	+ 16·271	+ 0·130	...	...
482		+ 1·8006	+ 0·0031	..	+ 16·276	+ 0·146	...	...
483	... .	+ 1·7970	+ 0·0030	...	+ 16·278	+ 0·146	...	...
484	R Leonis Min. Var. 1.	+ 3·6196	− 0·0276	...	+ 16·306	+ 0·301	...	...
485	17 Leonis ε ...	+ 3·4233	− 0·0180	− 0·004	+ 16·342	+ 0·282	+ 0·02	3331
486	... ...	+ 1·8150	+ 0·0036	...	+ 16·415	+ 0·145	...	...
487	l Carinæ Var. 1	+ 1·6504	− 0·0001	− 0·008	+ 16·507	+ 0·130	− 0·02	3353
488	... . ..	+ 2·4174	+ 0·0083	...	+ 16·509	+ 0·193	...	...
489	Taylor 4337 .	+ 1·8300	+ 0·0042	...	+ 16·526	+ 0·145	..	..
490	. .	+ 2·4217	+ 0·0084	..	+ 16·568	+ 0·192	..	...

487.—Proper motions from "*Stone's Cape Catalogue.*"

Mean Positions of Stars for 1867 January 1st.

Number.	Star.	Magnitude.	Estimations.	Mean Right Ascension.			Mean Polar Distance.			Observations.	Fraction of Year.
				h	m	s	°	′	″		
491	... ...	9·5	1	9	44	15·40	148	30	48·0	1	0·26
492	... ...	9·4	2	9	45	4·51	129	48	11·3	2	0·18
493	R. P. L. 70	6·5	...	9	46	50·58	5	26	38·1	3	0·18
494	Taylor 4381	6·8	3	9	47	11·38	152	7	21·0	3	0·18
495	... .	10·3	1	9	47	16·57	75	34	21·9	2	0·20
496	... ...	8·8	3	9	52	49·72	129	41	32·2	3	0·23
497	29 Leonis π	5·0	...	9	53	10·99	81	19	8·9	14	0·21
498	... .	9·6	1	9	54	54·39	125	18	14·0	1	0·16
499	... ...	8·0	1	9	55	57·99	147	25	7·3	1	0·25
500	... ...	8·8	2	9	57	54·18	145	33	54·9	2	0·23
501	Taylor 4470	8·0	1	9	57	57·89	145	36	55·7	1	0·15
502	... ...	7·9	1	9	58	31·74	150	39	51·6	1	0·20
503	Taylor 4484	7·1	1	9	58	46·06	151	30	53·2	1	0·28
504	... ...	9·5	3	10	0	3·81	86	23	8·0	3	0·25
505	32 Leonis α (*Regulus*) ...	1·4	...	10	1	17·16	77	23	2·9	12	0·10
506	... ...	8·0	1	10	1	28·82	130	2	51·7	1	0·25
507	... ...	8·1	1	10	2	9·03	129	57	19·8	1	0·26
508	... ...	9·3	2	10	2	27·39	123	28	17·3	2	0·19
509	... ...	8·5	1	10	4	33·50	123	54	50·9	1	0·14
510	... ...	9·6	3	10	4	41·51	123	29	41·7	3	0·20
511	Taylor 4552	7·0	1	10	7	8·66	147	24	17·9	1	0·25
512	... ...	7·5	2	10	8	6·86	130	57	11·2	2	0·28
513	... .	8·7	1	10	9	8·50	139	52	35·8	1	0·25
514	R. P. L. 72	5·9	...	10	9	50·67	5	4	32·2	3	0·58
515	... .	8·0	1	10	9	58·15	145	35	16·2	1	0·15
516	... .	9·1	3	10	10	23·25	139	52	5·8	3	0·21
517	41 Leonis γ¹	2·2	...	10	12	38·14	69	29	13·9	7	0·25
518	... ...	9·5	1	10	12	59·06	128	37	51·6	1	0·29
519	... ...	8·0	3	10	16	6·78	125	33	14·5	3	0·20
520	Lalande 20139	8·8	1	10	16	17·88	75	25	24·9	1	0·13
521	.. .. ..	9·7	1	10	18	52·64	146	9	21·0	1	0·15
522	... .	9·7	1	10	19	30·33	146	9	36·9	1	0·20
523	. . ..	9·5	2	10	21	25·01	125	34	9·7	2	0·18
524	... .	7·4	3	10	22	17·68	125	32	29·2	3	0·20
525	... ...	8·0	1	10	24	12·38	146	56	1·5	1	0·25

493.—Carrington 1451.
514.—Groombridge 1620.

Observed with the Madras Meridian Circle in that Year.

Number.	Star.	In Right Ascension.			In Polar Distance.			Number in B. A. C.
		Annual Precession.	Secular Variation.	Proper Motion.	Annual Precession.	Secular Variation.	Proper Motion.	
		s	s	s	"	"	"	
491	..	+ 1·8535	+ 0·0047	...	+ 16·639	+ 0·144	..	..
492	.. ..	+ 2·4535	+ 0·0085	...	+ 16·679	+ 0·192	...	...
493	R. P. L. 70	+ 10·7719	− 1·5820	...	+ 16·764	+ 0·855	...	...
494	Taylor 4381 ...	+ 1·6880	+ 0·0013	..	+ 16·781	+ 0·128	...	3359
495	.. ..	+ 3·2603	− 0·0113	..	+ 16·785	+ 0·253	...	...
496	... ...	+ 2·4875	+ 0·0095	...	+ 17·046	+ 0·184	...	...
497	29 Leonis π	+ 3·1793	− 0·0080	− 0·003	+ 17·062	+ 0·236	+ 0·03	3415
498	. ..	+ 2·5806	+ 0·0086	...	+ 17·141	+ 0·188	...	..
499	. .	+ 1·9944	+ 0·0086	...	+ 17·188	+ 0·143	...	...
500	. .. ..	+ 2·0817	+ 0·0099	...	+ 17·275	+ 0·147	...	...
501	Taylor 4476	+ 2·0802	+ 0·0100	...	+ 17·278	+ 0·147	..	...
502	... .	+ 1·8695	+ 0·0067	...	+ 17·303	+ 0·131	..	...
503	Taylor 4484	+ 1·8287	+ 0·0058	.	+ 17·314	+ 0·128	...	...
504	.. ..	+ 3·1143	− 0·0055	...	+ 17·371	+ 0·220	...	...
505	32 Leonis α (*Regulus*)	+ 3·2202	− 0·0102	− 0·010	+ 17·424	+ 0·225	− 0·01	3459
506	.. ..	+ 2·5165	+ 0·0105	...	+ 17·433	+ 0·175	..	...
507	... ...	+ 2·5212	+ 0·0105	...	+ 17·461	+ 0·173	...	..
508	... ...	+ 2·6383	+ 0·0084	...	+ 17·475	+ 0·182	...	...
509	.. ..	+ 2·6544	+ 0·0089	...	+ 17·564	+ 0·179	...	...
510	. ..	+ 2·6455	+ 0·0091	...	+ 17·570	+ 0·178	...	...
511	Taylor 4552 .. .	+ 2·0836	+ 0·0116	...	+ 17·672	+ 0·136	...	3491
512	. .	+ 2·3260	+ 0·0130	...	+ 17·712	+ 0·151	...	...
513	. .	+ 2·3344	+ 0·0131	...	+ 17·754	+ 0·150	...	...
514	R. P. L. 72	+ 10·0320	− 1·6559	− 0·079	+ 17·783	+ 0·669	+ 0·05	3495
515	.. .	+ 2·1707	+ 0·0129	...	+ 17·788	+ 0·138	...	...
516	.. ..	+ 2·3422	+ 0·0134	...	+ 17·804	+ 0·149	...	...
517	41 Leonis γ^1 . ..	+ 3·2979	− 0·0148	+ 0·019	+ 17·804	+ 0·208	+ 0·15	3523
518	.. ..	+ 2·5912	+ 0·0115	...	+ 17·908	+ 0·162	...	...
519	.. ..	+ 2·6536	+ 0·0110	...	+ 18·029	+ 0·161	...	...
520	Lalande 20139	+ 3·2242	− 0·0110	...	+ 18·036	+ 0·198	...	...
521	.. .. .	+ 2·2206	+ 0·0152	...	+ 18·133	+ 0·131	...	...
522	.. ...	+ 2·2254	+ 0·0155	..	+ 18·157	+ 0·130	..	...
523	.. ...	+ 2·6735	+ 0·0116	..	+ 18·228	+ 0·154	..	...
524	.. ..	+ 2·6771	+ 0·0116	..	+ 18·260	+ 0·153	...	...
525	... ...	+ 2·2386	+ 0·0166	..	+ 18·328	+ 0·125	...	...

Mean Positions of Stars for 1867 *January* 1*st.*

Number.	Star.	Magnitude.	Estimations.	Mean Right Ascension.			Mean Polar Distance.			Observations.	Fraction of Year.
				h.	m.	s.	°	′	″		
526	... ...	8·4	1	10	24	32·14	146	50	50·6	1	0·25
527	... ...	8·2	2	10	24	53·44	125	34	47·0	2	0·22
528	Lalande 20402	7·7	3	10	25	8·18	79	53	41·9	3	0·27
529	47 Leonis ρ	4·0	...	10	25	48·39	80	0	36·7	12	0·19
530	Taylor 4769	5·7	1	10	30	29·30	146	52	12·9	1	0·29
531	... ...	8·8	2	10	31	10·46	151	10	33·7	2	0·19
532	R Ursæ Majoris Var. 1 ...	7·5	3	10	35	11·65	20	31	38·0	3	0·27
533	... ...	9·3	1	10	35	29·86	137	20	28·7	1	0·20
534	... ...	8·2	3	10	35	47·93	146	54	26·2	3	0·27
535	Taylor 4850 ... 1st...	9·0	1	10	38	46·16	148	51	8·2	1	0·32
536	Taylor 4850 ... 2nd...	7·7	1	10	38	49·27	148	51	2·6	1	0·32
537	Taylor 4852 ... 1st...	8·0	1	10	38	59·00	148	52	42·6	1	0·20
538	Taylor 4852 ... 2nd...	8·9	1	10	39	0·53	148	52	46·0	1	0·25
539	Brisbane 3194	8·3	1	10	39	24·40	149	2	41·0	1	0·26
540	... ...	9·0	1	10	39	31·78	139	3	7·9	1	0·31
541	η Argûs Var. 1	8·0	...	10	39	54·45	148	59	11·2	2	0·19
542	Taylor 4872	7·7	1	10	41	11·43	151	14	31·8	1	0·29
543	53 Leonis l	5·3	...	10	42	15·87	78	45	7·8	9	0·21
544	... ...	9·5	1	10	42	31·99	148	52	17·9	1	0·20
545	... ...	9·7	1	10	42	32·13	75	5	48·0	1	0·14
546	Taylor 4886	6·9	1	10	42	55·34	137	2	57·7	1	0·18
547	Lacaille 4502	7·0	1	10	46	37·75	141	5	34·5	1	0·06
548	... ...	9·2	1	10	48	3·53	147	43	1·4	1	0·31
549	... ...	8·6	2	10	48	23·73	141	45	48·7	2	0·28
550	... ...	8·7	2	10	48	33·98	148	52	33·3	2	0·23
551	... ...	9·1	...	10	50	30·34	148	49	2·0	1	0·20
552	7 Crateris α	4·1	...	10	53	17·78	107	35	29·5	1	0·14
553	58 Leonis d	5·0	...	10	53	41·44	85	40	9·7	1	0·29
554	R Crateris Var. 1 ...	8·8	5	10	54	0·99	107	36	43·5	5	0·26
555	... .	9·1	2	10	54	11·15	107	39	14·8	2	0·31
556	50 Ursæ Majoris α (*Dubhe*).	2·0	...	10	55	29·92	27	31	54·8	1	0·33
557	... ...	8·9	1	10	57	9·71	145	36	40·6	1	0·20
558	63 Leonis χ	4·7	...	10	58	9·30	81	56	44·7	15	0·27
559	Lacaille 4612	8·8	1	11	1	1·83	154	47	31·8	1	0·32
560	67 Leonis	5·6	...	11	1	40·09	64	37	20·0	1	0·32

532.—R Ursæ Majoris Var. 1.—Period 303 days.—Range, 6th to 13th magnitude.
541.—η Argûs Var. 1.—Irregularly variable from 1st to 9th magnitude.
554.—R Crateris Var. 1.—Changes between 8th and 9th magnitude.
560.—Comparison star for Thalia in 1862.

Observed with the Madras Meridian Circle in that Year.

Number.	Star.	In Right Ascension.			In Polar Distance.			Number in B. A. C.
		Annual Precession.	Secular Variation.	Proper Motion.	Annual Precession.	Secular Variation.	Proper Motion.	
		s	s	s	"	"	"	
526	... .	+ 2·2393	+ 0·0168	...	+ 18·340	+ 0·124	...	...
527	... .	+ 2·6865	+ 0·0120	...	+ 18·353	+ 0·150	...	...
528	Lalande 20402 ...	+ 3·1679	− 0·0084	...	+ 18·361	+ 0·178	...	...
529	47 Leonis ρ	+ 3·1661	− 0·0080	0·000	+ 18·385	+ 0·176	+ 0·03	3609
530	Taylor 4769	+ 2·2922	+ 0·0185	...	+ 18·544	+ 0·119	...	3635
531	... ...	+ 2·1539	+ 0·0179	...	+ 18·567	+ 0·111	...	...
532	R Ursæ Maj. Var. 1...	+ 4·3635	− 0·1402	...	+ 18·697	+ 0·223	...	...
533	... ...	+ 2·5492	+ 0·0177	...	+ 18·707	+ 0·126	...	...
534	... ...	+ 2·3352	+ 0·0202	...	+ 18·717	+ 0·114	...	...
535	Taylor 4850 .. 1st...	+ 2·3043	+ 0·0212	...	+ 18·808	+ 0·109	...	...
536	Taylor 4850 ... 2nd ..	+ 2·3048	+ 0·0211	...	+ 18·809	+ 0·109	...	...
537	Taylor 4852 ... 1st...	+ 2·3055	+ 0·0213	...	+ 18·815	+ 0·108	...	...
538	Taylor 4852 .. 2nd ..	+ 2·3057	+ 0·0212	...	+ 18·816	+ 0·108	...	...
539	Brisbane 3104 ...	+ 2·3043	+ 0·0214	...	+ 18·828	+ 0·108	...	...
540	... ...	+ 2·5421	+ 0·0191	...	+ 18·831	+ 0·119	...	...
541	η Argûs Var. 1 ...	+ 2·3106	+ 0·0216	...	+ 18·842	+ 0·107	...	3695
542	Taylor 4872	+ 2·2508	+ 0·0220	...	+ 18·881	+ 0·102	...	...
543	53 Leonis *l*	+ 3·1605	− 0·0080	− 0·003	+ 18·912	+ 0·145	+ 0·02	3708
544	... ...	+ 2·3379	+ 0·0226	...	+ 18·920	+ 0·105	...	...
545	... ...	+ 3·1901	− 0·0104	...	+ 18·920	+ 0·147	...	...
546	Taylor 4886	+ 2·3982	+ 0·0190	...	+ 18·931	+ 0·117	...	...
547	Lacaille 4502 ...	+ 2·5508	+ 0·0215	...	+ 19·085	+ 0·109	...	...
548	... ...	+ 2·4187	+ 0·0242	...	+ 19·075	+ 0·101	...	...
549	... .	+ 2·5506	+ 0·0222	...	+ 19·085	+ 0·106	...	...
550	... ...	+ 2·3931	+ 0·0247	...	+ 19·088	+ 0·099	...	...
551	... ...	+ 2·4139	+ 0·0254	...	+ 19·144	+ 0·097	...	...
552	7 Crateris α	+ 2·9505	+ 0·0072	− 0·033	+ 19·211	+ 0·115	− 0·14	3766
553	58 Leonis d	+ 3·1009	− 0·0039	− 0·002	+ 19·221	+ 0·120	+ 0·03	3768
554	R Crateris Var. 1 ...	+ 2·9517	+ 0·0068	...	+ 19·230	+ 0·114	...	...
555	... ...	+ 2·9516	+ 0·0069	..	+ 19·234	+ 0·114	...	...
556	50 Urs. Maj. α (*Dubhe*).	+ 3·7845	− 0·0821	− 0·017	+ 19·265	+ 0·144	+ 0·09	3777
557	... ...	+ 2·5432	+ 0·0263	...	+ 19·300	+ 0·092	...	...
558	63 Leonis χ	+ 3·1224	− 0·0056	− 0·024	+ 19·329	+ 0·113	+ 0·08	3788
559	Lacaille 4612 ...	+ 2·3494	+ 0·0315	...	+ 19·395	+ 0·079	...	...
560	67 Leonis	+ 3·2335	− 0·0164	+ 0·003	+ 19·398	+ 0·111	+ 0·01	3809

560.—Proper motions from "*Greenwich Catalogue* 1872."

Mean Positions of Stars for 1867 January 1st.

Number.	Star.	Magnitude.	Estimations.	Mean Right Ascension.			Mean Polar Distance.			Observations.	Fraction of Year.
				h.	*m.*	*s.*	°	′	″		
561	Lalande 21367	7·7	3	11	3	28·25	78	6	45·8	3	0·31
562	Lalande 21366	9·0	2	11	3	30·27	64	8	41·2	2	0·21
563	S Leonis Var. 2	10·5	1	11	3	58·27	83	49	7·3	1	0·14
564	... ...	8·8	1	11	4	27·49	150	15	32·0	1	0·33
565	... ...	9·7	1	11	7	0·36	65	26	3·3	1	0·29
566	68 Leonis δ	2·8	...	11	7	1·88	68	44	54·4	12	0·28
567	... ...	8·8	2	11	10	33·27	148	56	48·4	2	0·19
568	... ...	8·0	1	11	11	16·77	127	39	22·7	1	0·34
569	12 Crateris δ	3·9	...	11	12	41·55	104	3	33·3	13	0·29
570	77 Leonis σ	4·1	...	11	14	16·64	83	14	33·0	3	0·16
571	... ...	8·7	3	11	16	35·51	125	39	59·9	3	0·24
572	... ...	9·3	4	11	18	7·72	125	40	3·3	4	0·21
573	O. A. N. 11812	8·0	1	11	23	20·34	22	58	43·9	1	0·33
574	... ...	9·0	1	11	24	40·74	22	56	53·5	1	0·29
575	... ...	9·7	1	11	24	43·24	146	9	57·8	1	0·29
576	*	9·5	1	11	24	50·12	84	43	20·0	1	0·24
577	... ...	9·2	1	11	25	17·49	151	32	29·7	1	0·35
578	... ...	8·9	1	11	25	29·33	128	27	47·0	1	0·14
579	... ...	9·3	2	11	25	32·71	22	56	59·2	2	0·28
580	... ...	10·0	1	11	26	38·75	151	38	55·0	1	0·31
581	... ...	9·7	1	11	26	59·68	151	31	55·4	1	0·33
582	91 Leonis υ	4·5	...	11	30	8·31	90	5	24·1	19	0·28
583	... ...	8·0	1	11	34	6·01	127	50	17·3	1	0·14
584	W. B. E. XI. 597	9·2	2	11	34	52·82	88	16	5·2	2	0·29
585	.. ..	8·0	1	11	36	12·08	139	41	16·9	1	0·33
586	... .	7·9	1	11	38	17·86	140	30	45·3	1	0·31
587	... ...	7·9	2	11	41	5·52	140	53	4·8	2	0·35
588	.. ..	8·6	2	11	41	17·04	126	31	36·2	2	0·34
589	94 Leonis β *(Deneb)*	2·2	..	11	42	16·43	74	41	5·4	17	0·29
590	5 Virginis β	3·7	...	11	43	46·04	87	29	9·6	1	0·21
591	... .	8·7	4	11	48	34·00	124	55	47·1	4	0·31
592	Lacaille 4956	8·0	1	11	51	18·37	154	34	55·1	1	0·14
593	.. ..	9·1	2	11	51	45·88	144	13	55·8	2	0·32
594	R. P. L. 87 .	8·0	..	11	52	28·07	2	15	53·4	6	0·41
595	... .	9·4	1	11	52	29·64	154	33	31·4	1	0·14

562.—565.—Comparison stars for Thalia in 1862.
563.—S Leonis Var. 2.—Period 188 days.—Range, 9th to below 13th magnitude.
573.—574.—579.—Comparison stars for Comet 2, 1861.
576.—Observed by mistake for Amphitrite in 1866.
584.—Comparison star for Amphitrite in 1862.
594.—Carrington 1778

Observed with the Madras Meridian Circle in that Year.

Number.	Star.	In Right Ascension. Annual Precession.	In Right Ascension. Secular Variation.	In Right Ascension. Proper Motion.	In Polar Distance. Annual Precession.	In Polar Distance. Secular Variation.	In Polar Distance. Proper Motion.	Number in B. A. C.
		s	s	s	"	"	"	
561	Lalande 21367 ...	+ 3·1408	− 0·0075	...	+ 19·448	+ 0·104	...	...
562	Lalande 21366 ...	+ 3·2302	− 0·0168	...	+ 19·449	+ 0·107	...	...
563	S Leonis Var. 2 ...	+ 3·1071	− 0·0044	...	+ 19·459	+ 0·101	...	...
564	.. ..	+ 2·5106	+ 0·0313	...	+ 19·469	+ 0·080	...	...
565	... ...	+ 3·2122	− 0·0156	...	+ 19·521	+ 0·100	...	...
566	68 Leonis δ	+ 3·1912	− 0·0132	+ 0·011	+ 19·522	+ 0·098	+ 0·14	3834
567	... ...	+ 2·5969	+ 0·0328	...	+ 19·589	+ 0·073	...	...
568	... ...	+ 2·8545	+ 0·0186	...	+ 19·604	+ 0·080	...	...
569	12 Crateris δ ..	+ 3·0034	+ 0·0064	− 0·009	+ 19·690	+ 0·081	− 0·18	3850
570	77 Leonis σ	+ 3·1035	− 0·0042	− 0·009	+ 19·657	+ 0·061	+ 0·08	3862
571	... ...	+ 2·8914	+ 0·0182	...	+ 19·697	+ 0·071	...	...
572	... .	+ 2·8978	+ 0·0184	...	+ 19·721	+ 0·069	...	...
573	O. A. N. 11812 ...	+ 3·5744	− 0·0930	...	+ 19·799	+ 0·075	...	...
574	... ...	+ 3·5569	− 0·0923	...	+ 19·817	+ 0·071	...	...
575	... ...	+ 2·7663	+ 0·0352	...	+ 19·818	+ 0·063	...	...
576	... ...	+ 3·0910	− 0·0028	...	+ 19·819	+ 0·060	...	...
577	.. ..	+ 2·7000	+ 0·0415	...	+ 19·825	+ 0·050	...	...
578	... ...	+ 2·9128	+ 0·0210	...	+ 19·828	+ 0·055	...	...
579	... ...	+ 3·5450	− 0·0913	...	+ 19·829	+ 0·068	...	...
580	... ...	+ 2·7127	+ 0·0424	...	+ 19·843	+ 0·018	...	...
581	... .	+ 2·7182	+ 0·0423	...	+ 19·847	+ 0·048	...	...
582	91 Leonis υ	+ 3·0718	+ 0·0003	− 0·003	+ 19·885	+ 0·049	− 0·03	3946
583	... ...	+ 2·9550	+ 0·0210	...	+ 19·926	+ 0·040	...	...
584	W. B. E. XI. 597 ..	+ 3·0765	− 0·0004	...	+ 19·934	+ 0·041	...	...
585	... ...	+ 2·9087	+ 0·0320	...	+ 19·946	+ 0·035	...	...
586	... .	+ 2·8561	+ 0·0444	...	+ 19·965	+ 0·030	...	...
587	... ...	+ 2·8822	+ 0·0458	...	+ 19·987	+ 0·026	...	...
588	... .	+ 2·9014	+ 0·0218	...	+ 19·988	+ 0·027	...	...
589	94 Leonis β (*Deneb*)...	+ 3·1004	− 0·0074	− 0·036	+ 19·995	+ 0·025	+ 0·10	3995
590	5 Virginis β	+ 3·0763	− 0·0003	+ 0·048	+ 20·004	+ 0·023	+ 0·28	4002
591	... .	+ 3·0255	+ 0·0215	...	+ 20·030	+ 0·013	...	...
592	Lacaille 4956 ..	+ 2·9655	+ 0·0598	...	+ 20·040	+ 0·008	...	...
593	... .	+ 3·0064	+ 0·0410	...	+ 20·042	+ 0·007	...	...
594	R. P. L. 87	+ 4·1825	− 1·2996	...	+ 20·044	+ 0·011	...	...
595	... ...	+ 2·9801	+ 0·0604	...	+ 20·044	+ 0·005	...	..

Mean Positions of Stars for 1867 January 1st.

Number.	Star.	Magnitude.	Estimations.	Mean Right Ascension.			Mean Polar Distance.			Observations.	Fraction of Year.
				h.	m.	s.	°	′	″		
596	8 Virginis π	4·4	...	11	54	3·41	82	38	38·8	2	0·21
597	Taylor 5535	8·0	1	11	57	12·75	70	26	30·5	1	0·31
598	... ...	8·3	4	11	59	45·13	144	19	49·5	4	0·33
599	... ...	8·9	2	12	1	46·23	130	2	36·6	2	0·34
600	2 Corvi ε	3·1	...	12	3	17·25	111	52	48·0	6	0·30
601	... ...	8·2	1	12	6	21·95	138	28	32·7	1	0·35
602	R. P. L. 90	7·7	...	12	7	3·87	2	19	38·7	1	0·29
603	... ...	9·5	1	12	7	46·79	90	15	17·8	2	0·27
604	15 Virginis η	4·0	...	12	13	6·05	89	55	39·9	12	0·30
605	16 Virginis c	5·2	...	12	13	35·77	86	56	47·9	1	0·21
606	R. P. L. 93	6·5	...	12	14	18·46	1	33	46·6	1	0·71
607	... ...	8·7	2	12	17	32·74	24	44	6·9	3	0·25
608	... ...	7·8	1	12	20	55·80	141	20	17·5	1	0·36
609	W. B. E. XII. 446 ...	8·4	3	12	27	23·00	92	59	8·6	3	0·32
610	9 Corvi β	2·8	...	12	27	24·20	112	39	40·2	4	0·37
611	... ...	9·9	3	12	27	38·35	90	38	40·0	3	0·31
612	Lalande 23532	7·9	3	12	28	37·77	92	48	46·8	3	0·32
613	... ...	8·6	1	12	31	0·69	142	20	42·1	1	0·36
614	R Virginis Var. 2... ...	7·9	1	12	31	45·10	82	16	47·3	1	0·33
615	... ...	9·6	3	12	32	46·04	100	5	42·6	3	0·32
616	... ...	7·0	1	12	32	59·88	28	14	23·3	1	0·39
617	29 Virginis γ ... 1st...	3·1	...	12	34	55·22	90	43	8·5	8	0·29
618	... ...	9·5	1	12	39	38·07	141	55	13·0	1	0·30
619	... ...	9·6	1	12	39	45·51	94	2	52·5	1	0·35
620	... ...	9·7	1	12	42	13·60	147	17	27·9	1	0·29
621	... ...	9·0	1	12	43	1·22	139	26	16·2	1	0·31
622	... ...	9·0	2	12	43	18·50	80	42	19·8	2	0·34
623	... ...	10·6	2	12	43	40·20	80	41	33·6	2	0·41
624	38 Virginis	6·3	...	12	46	22·65	92	49	47·4	2	0·29
625	40 Virginis ψ	5·0	.	12	47	26·33	98	48	58·6	1	0·22
626	W. B. E. XII. 799 ...	8·5	3	12	47	46·74	80	46	26·6	3	0·25
627	R. P. L. 99	5·6	...	12	48	11·25	5	51	48·1	1	0·41
628	... ...	9·0	2	12	48	38·71	125	26	18·7	2	0·33
629	... ...	7·9	2	12	49	3·50	140	25	18·1	2	0·31
630	12 Canum Venaticorum ...	3·0	...	12	49	46·03	50	57	46·0	7	0·35

602.—Carrington 1816.
606.—Groombridge 1884.
607.—Comparison star for Comet 2, 1861.
609.—612.—Comparison stars for Polyhymnia in 1867.
611.—615.—Comparison stars for Sappho in 1867.
614.—R Virginis Var. 2.—Period 146 days.—Range, 6·5 to 11th magnitude.
619.—Comparison star for Hestia in 1864
622.—623.—626.—Comparison stars for Isis in 1867.
627.—Groombridge 1940.

Observed with the Madras Meridian Circle in that Year.

Number.	Star.	In Right Ascension.			In Polar Distance.			Number in B. A. C.
		Annual Precession.	Secular Variation.	Proper Motion.	Annual Precession.	Secular Variation.	Proper Motion.	
		s	s	s	"	"	"	
596	8 Virginis π	+ 3·0765	− 0·0022	0·000	+ 20·048	+ 0·002	+ 0·04	4052
597	Taylor 5535	+ 3·0770	− 0·0069	...	+ 20·054	− 0·003	...	...
598	... .	+ 3·0701	+ 0·0435	...	+ 20·055	− 0·009	...	...
599	... ...	+ 3·0808	+ 0·0273	...	+ 20·054	− 0·012	...	...
600	2 Corvi ε	+ 3·0798	+ 0·0142	− 0·005	+ 20·053	− 0·016	− 0·01	4097
601	... ...	+ 3·1140	+ 0·0369	...	+ 20·047	− 0·022	...	...
602	R. P. L. 90	+ 2·0580	− 0·2471	...	+ 20·045	− 0·018	...	...
603	... ...	+ 3·0723	+ 0·0024	...	+ 20·043	− 0·024	...	..
604	15 Virginis η ...	+ 3·0720	+ 0·0027	− 0·007	+ 20·022	− 0·035	+ 0·03	4145
605	16 Virginis c ...	+ 3·0665	+ 0·0006	− 0·010	+ 20·019	− 0·036	+ 0·08	4151
606	R. P. L. 93	+ 0·0126	+ 1·0876	− 0·152	+ 20·016	− 0·009	− 0·07	4165
607	... ...	+ 2·8502	− 0·0523	...	+ 19·996	− 0·041	...	...
608	... .	+ 3·2246	+ 0·0438	...	+ 19·971	− 0·051	...	...
609	W. B. E. XII. 446 ...	+ 3·0804	+ 0·0051	...	+ 19·912	− 0·063	...	...
610	9 Corvi β	+ 3·1386	+ 0·0164	− 0·008	+ 19·912	− 0·064	+ 0·07	4234
611	... ...	+ 3·0994	+ 0·0086	...	+ 19·909	− 0·064	...	...
612	Lalande 23532 ...	+ 3·0803	+ 0·0050	...	+ 19·899	− 0·065	...	...
613	... ...	+ 3·3058	+ 0·0476	...	+ 19·871	− 0·074	..	...
614	R Virginis Var. 2 ...	+ 3·0471	− 0·0003	...	+ 19·863	− 0·070	...	...
615	... ...	+ 3·1060	+ 0·0091	...	+ 19·850	− 0·074	...	..
616	... ...	+ 2·7149	− 0·0384	...	+ 19·848	− 0·066	...	..
617	29 Virginis γ ... 1st ...	+ 3·0746	+ 0·0043	− 0·037	+ 19·823	− 0·078	+ 0·05	4268
618	... ...	+ 3·3658	+ 0·0487	...	+ 19·755	− 0·092	...	...
619	.. ..	+ 3·0885	+ 0·0062	...	+ 19·753	− 0·086	...	...
620	... ...	+ 3·4535	+ 0·0611	...	+ 19·715	− 0·100	...	...
621	... ...	+ 3·3635	+ 0·0449	...	+ 19·702	− 0·099	..	...
622	... ...	+ 3·0310	− 0·0003	...	+ 19·698	− 0·091	...	...
623	... ...	+ 3·0806	− 0·0003	...	+ 19·692	− 0·092	...	...
624	38 Virginis	+ 3·0854	+ 0·0060	− 0·016	+ 19·646	− 0·099	+ 0·03	4323
625	40 Virginis ψ ...	+ 3·1148	+ 0·0002	− 0·002	+ 19·627	− 0·101	+ 0·04	4330
626	W. B. E. XII. 799	+ 3·0272	− 0·0001	...	+ 19·621	− 0·100	...	..
627	R. P. L. 99	+ 0·3561	+ 0·2244	− 0·017	+ 19·613	− 0·010	− 0·04	4342
628	. ... ..	+ 3·2720	+ 0·0270	...	+ 19·605	− 0·108	...	..
629	.	+ 3·5528	+ 0·0692	...	+ 19·597	− 0·118	...	..
630	12 Can. Venaticorum.	+ 2·8383	− 0·0152	− 0·023	+ 19·584	− 0·108	− 0·06	4346

617.—Proper motions from "*Greenwich Catalogue* 1872."

Mean Positions of Stars for 1867 January 1st.

Number.	Star.	Magnitude.	Estimations.	Mean Right Ascension.			Mean Polar Distance.			Observations.	Fraction of Year.
				h.	m.	s.	°	′	″		
631	... ...	9·0	1	12	53	18·29	142	25	3·3	1	0·40
632	... ...	8·0	1	12	53	35·72	135	45	26·4	1	0·35
633	... ...	9·1	1	12	54	48·28	139	19	21·0	1	0·35
634	... ...	9·2	1	12	57	9·26	123	26	10·8	1	0·41
635	Lacaille 5581	7·7	2	12	57	17·92	129	58	5·6	2	0·34
636	. ...	8·3	1	12	58	15·93	124	29	41·2	1	0·36
637	51 Virginis *θ*	4·4	...	13	3	3·88	94	49	42·5	14	0·32
638	Taylor 6057	5·6	1	13	4	0·78	149	12	44·9	1	0·35
639	... ...	9·0	1	13	4	42·30	138	11	32·4	1	0·35
640	... ...	9·3	1	13	4	46·30	143	13	19·7	1	0·33
641	... ...	9·5	1	13	5	47·26	124	17	29·9	1	0·41
642	Lacaille 5434	7·5	1	13	6	9·27	152	52	31·5	1	0·31
643	R. P. L. 101	7·5	...	13	9	53·78	1	38	15·5	2	0·88
644	Taylor 6129	7·0	1	13	12	23·30	130	29	29·3	1	0·36
645	Taylor 6148	7·5	1	13	14	21·75	128	9	17·2	1	0·40
646	Taylor 6160	8·1	2	13	15	45·29	128	55	54·7	2	0·40
647	67 Virginis *α* *(Spica)* ...	1·2	...	13	18	11·23	100	27	58·5	10	0·31
648	79 Ursæ Majoris 3 ...2nd	4·2	...	13	18	34·75	34	22	57·4	1	0·43
649	O. A. S. 12872	9·8	2	13	19	30·87	116	57	22·7	2	0·37
650	Lacaille 5546	9·0	1	13	19	52·27	143	28	26·2	1	0·39
651	R. P. L. 103	7·3	...	13	20	6·33	4	33	0·6	3	0·52
652	... ...	10·0	1	13	23	26·90	88	39	10·4	1	0·41
653	... ...	8·0	...	13	24	57·90	128	9	38·7	1	0·30
654	... ...	8·2	1	13	25	41·30	128	11	13·8	1	0·31
655	Taylor 6257	8·7	2	13	25	47·57	148	49	20·7	2	0·41
656	76 Virginis *h*	5·5	...	13	25	57·63	99	28	43·9	1	0·29
657	. ...	8·3	1	13	26	48·45	131	36	7·5	1	0·40
658	79 Virginis ζ	3·5	...	13	27	55·04	89	51	54·5	11	0·36
659	Lacaille 5614	8·0	1	13	30	7·29	128	13	3·1	1	0·33
660	Lacaille 5639	7·1	2	13	33	23·78	123	47	0·1	2	0·41
661	... .	9·5	1	13	34	13·39	129	10	53·7	1	0·41
662	... ...	8·3	1	13	35	53·62	128	4	23·1	1	0·40
663	O. A. S. 13079	9·3	2	13	36	1·73	116	49	34·3	2	0·43
664	... ...	9·2	1	13	36	25·17	128	6	16·7	1	0·29
665	. ...	9·3	1	13	36	42·64	144	39	14·4	1	0·32

643.—Groombridge 2006.
649.—Comparison star for Eunomia in 1863
651.—Groombridge 2007
652.—Comparison star for Europa in 1864

Observed with the Madras Meridian Circle in that Year.

Number.	Star.	In Right Ascension.			In Polar Distance.			Number in B. A. C.
		Annual Precession.	Secular Variation.	Proper Motion.	Annual Precession.	Secular Variation.	Proper Motion.	
		s	s	s	"	"	"	
631	... ...	+ 3·4725	+ 0·0522	...	+ 19·515	− 0·125	...	...
632	... ...	+ 3·3903	+ 0·0407	...	+ 19·509	− 0·123	...	...
633	... ...	+ 3·4406	+ 0·0465	...	+ 19·484	− 0·127	...	...
634	... ...	+ 3·2900	+ 0·0268	...	+ 19·435	− 0·126	...	...
635	Lacaille 5381 ...	+ 3·3494	+ 0·0335	...	+ 19·432	− 0·128	...	...
636	... ...	+ 3·3032	+ 0·0278	...	+ 19·409	− 0·129	...	...
637	51 Virginis θ ...	+ 3·1028	+ 0·0078	− 0·004	+ 19·301	− 0·132	+ 0·04	4401
638	Taylor 6057	+ 3·6908	+ 0·0729	...	+ 19·278	− 0·158	...	4412
639	... ...	+ 3·4887	+ 0·0450	...	+ 19·260	− 0·150	...	...
640	... ...	+ 3·5710	+ 0·0560	...	+ 19·259	− 0·153	...	...
641	... ...	+ 3·3303	+ 0·0282	...	+ 19·235	− 0·145	...	...
642	Lacaille 5434... ...	+ 3·8151	+ 0·0880	...	+ 19·225	− 0·166	...	...
643	R. P. L. 101	− 10·9683	+ 8·1234	...	+ 19·129	+ 0·472	...	...
644	Taylor 6129	+ 3·4268	+ 0·0353	...	+ 19·062	− 0·163	...	...
645	Taylor 6148	+ 3·4070	+ 0·0328	...	+ 19·009	− 0·166	...	...
646	Taylor 6160	+ 3·4226	+ 0·0338	...	+ 18·969	− 0·170	...	...
647	67 Virginis α (*Spica*).	+ 3·1547	+ 0·0116	− 0·005	+ 18·899	− 0·163	+ 0·04	4480
648	79 Urs. Maj. ζ 2nd...	+ 2·4151	− 0·0172	+ 0·014	+ 18·888	− 0·127	+ 0·05	4486
649	O. A. S. 12872 ...	+ 3·3033	+ 0·0224	...	+ 18·860	− 0·172	...	...
650	Lacaille 5546 ...	+ 3·6886	+ 0·0589	...	+ 18·849	− 0·192	...	...
651	R. P. L. 103 ...	− 2·6818	+ 0·9967	...	+ 18·842	+ 0·126	...	4498
652	... ...	+ 3·0609	+ 0·0055	...	+ 18·740	− 0·167	...	...
653	... ...	+ 3·4528	+ 0·0334	...	+ 18·692	− 0·190	...	...
654	... ...	+ 3·4563	+ 0·0334	...	+ 18·669	− 0·192	...	...
655	Taylor 6257	+ 3·8801	+ 0·0761	...	+ 18·666	− 0·215	...	...
656	76 Virginis λ ...	+ 3·1539	+ 0·0113	− 0·004	+ 18·660	− 0·176	+ 0·02	4521
657	... ...	+ 3·5111	+ 0·0370	...	+ 18·633	− 0·197	...	...
658	79 Virginis ζ... ...	+ 3·0713	+ 0·0064	− 0·019	+ 18·598	− 0·176	− 0·06	4532
659	Lacaille 5614 ...	+ 3·4756	+ 0·0337	...	+ 18·524	− 0·202	...	...
660	Lacaille 5639 ...	+ 3·4266	+ 0·0291	...	+ 18·412	− 0·207	...	...
661	... ...	+ 3·5076	+ 0·0351	...	+ 18·384	− 0·212	...	...
662	... ...	+ 3·4977	+ 0·0338	...	+ 18·325	− 0·215	...	...
663	O. A. S. 13079 ...	+ 3·3472	+ 0·0229	...	+ 18·330	− 0·207	...	...
664	... ...	+ 3·5004	+ 0·0339	...	+ 18·306	− 0·216	...	...
665	... ...	+ 3·8443	+ 0·0642	...	+ 18·295	− 0·237	...	...

Mean Positions of Stars for 1867 January 1st.

Number.	Star.	Magnitude.	Estimations.	Mean Right Ascension.			Mean Polar Distance.			Observations.	Fraction of Year.
				h.	m.	s.	°	′	″		
666	Taylor 6366	7·0	1	13	37	5·10	151	47	0·3	1	0·33
667	Lacaille 5659	7·8	1	13	37	20·42	152	14	28·7	1	0·31
668	O. A. S. 13100	8·0	1	13	37	23·78	116	58	37·0	1	0·42
669	... ...	9·5	1	13	37	40·85	123	48	56·7	1	0·41
670	... ...	8·9	1	13	40	40·07	129	24	55·9	1	0·41
671	O. A. S. 13186	8·2	3	13	43	55·24	116	58	24·3	3	0·33
672	O. A. S. 13198	9·1	3	13	44	57·85	117	11	26·6	3	0·34
673	... ...	7·9	2	13	45	34·03	128	23	59·0	2	0·35
674	... ...	9·7	3	13	45	41·51	128	24	5·5	3	0·36
675	X Virginis Var. 5... ...	8·9	6	13	47	23·92	78	16	47·7	6	0·39
676	8 Bootis η	2·9	...	13	48	21·09	70	56	5·0	9	0·38
677	... ...	9·2	1	13	50	11·81	149	55	3·5	1	0·40
678	.. ..	9·5	1	13	52	36·60	128	2	18·0	1	0·30
679	... ...	9·7	1	13	53	18·96	135	41	44·5	1	0·41
680	β Centauri	1·2	...	13	54	28·01	149	43	47·9	1	0·33
681	93 Virginis τ	4·4	...	13	54	52·73	87	48	38·3	12	0·38
682	Lacaille 5794	7·0	1	13	57	17·99	152	48	28·8	1	0·31
683	... ...	8·4	2	13	58	25·19	129	20	57·3	2	0·40
684	94 Virginis	7·0	...	13	59	15·37	98	15	20·6	1	0·22
685	95 Virginis	5·7	...	13	59	40·85	98	40	39·6	2	0·37
686	Lalande 25896	7·6	1	14	0	2·58	67	11	45·5	1	0·30
687	... ...	10·2	1	14	0	34·41	150	52	1·7	1	0·40
688	Taylor 6585	7·8	1	14	1	33·07	124	14	56·5	1	0·36
689	... ...	9·2	1	14	2	12·87	124	17	6·0	1	0·41
690	... ...	8·0	2	14	5	14·86	129	21	10·6	2	0·40
691	Lacaille 5844	7·3	1	14	5	17·51	151	4	57·1	1	0·32
692	98 Virginis κ	4·3	...	14	5	48·17	99	39	11·4	4	0·26
693	... ...	8·5	3	14	6	20·24	135	2	10·5	3	0·40
694	99 Virginis ι	4·2	...	14	9	2·51	95	21	52·8	2	0·37
695	16 Bootis α (*Arcturus*) ...	0·0	...	14	9	35·74	70	7	27·3	14	0·40
696	... ...	9·5	1	14	11	40·28	124	28	21·4	1	0·41
697	100 Virginis λ	4·6	...	14	11	54·98	102	45	26·7	1	0·30
698	W. B. E. XIV. 192 ..	7·5	1	14	12	1·26	103	47	33·0	1	0·29
699	... ...	9·5	1	14	12	42·24	138	50	42·5	1	0·32
700	... ...	9·5	1	14	15	30·26	122	12	25·3	1	0·41

671.—672.—Comparison stars for Atalanta in 1867.
675.—X Virginis Var. 5.—Range, 8·9 to below 12th magnitude.

Observed with the Madras Meridian Circle in that Year.

Number.	Star.	In Right Ascension.			In Polar Distance.			Number in B. A. C.
		Annual Precession.	Secular Variation.	Proper Motion.	Annual Precession.	Secular Variation.	Proper Motion.	
		s	s	s	"	"	"	
666	Taylor 6366 ...	+ 4·0963	+ 0·0909	...	+ 18·282	− 0·253	...	...
667	Lacaille 5639	+ 4·1188	+ 0·0933	...	+ 18·273	− 0·255	...	...
668	O. A. S. 13100	+ 3·3527	+ 0·0231	...	+ 18·271	− 0·210	...	...
669	... ...	+ 3·4124	+ 0·0292	...	+ 18·261	− 0·215	...	...
670	... ...	+ 3·5395	+ 0·0356	...	+ 18·151	− 0·228	...	...
671	O. A. S. 13186	+ 3·3702	+ 0·0233	...	+ 18·028	− 0·224	...	...
672	O. A. S. 13198	+ 3·3758	+ 0·0234	...	+ 17·988	− 0·226	...	...
673	... ...	+ 3·5431	+ 0·0346	...	+ 17·965	− 0·238	...	...
674	... ...	+ 3·5437	+ 0·0346	...	+ 17·960	− 0·238	...	...
675	X Virginis Var. 5	+ 2·9468	+ 0·0022	...	+ 17·893	− 0·202	...	...
676	8 Bootis η	+ 2·8616	− 0·0006	− 0·004	+ 17·855	− 0·199	+ 0·36	4648
677	... ...	+ 4·1372	+ 0·0842	...	+ 17·781	− 0·287	...	...
678	... ...	+ 3·5657	+ 0·0343	...	+ 17·692	− 0·253	...	...
679	... ...	+ 3·7222	+ 0·0453	...	+ 17·653	− 0·265	...	...
680	β Centauri ..	+ 4·1692	+ 0·0841	− 0·310	+ 17·605	− 0·301	+ 0·05	4669
681	93 Virginis τ	+ 3·0477	+ 0·0064	+ 0·001	+ 17·587	− 0·221	+ 0·07	4672
682	Lacaille 5794	+ 4·3467	+ 0·0996	...	+ 17·485	− 0·318	...	...
683	... ...	+ 3·6137	+ 0·0361	...	+ 17·437	− 0·268	...	...
684	94 Virginis ...	+ 3·1686	+ 0·0115	− 0·002	+ 17·400	− 0·237	+ 0·01	4688
685	95 Virginis	+ 3·1739	+ 0·0118	− 0·010	+ 17·382	− 0·238	− 0·01	4690
686	Lalande 25896	+ 2·7910	− 0·0023	...	+ 17·365	− 0·210	...	...
687	... ...	+ 4·2767	+ 0·0897	...	+ 17·343	− 0·320	...	...
688	Taylor 6585 ...	+ 3·5326	+ 0·0302	...	+ 17·290	− 0·268	...	...
689	... ...	+ 3·5355	+ 0·0302	...	+ 17·271	− 0·269	...	...
690	... ...	+ 3·6419	+ 0·0362	...	+ 17·134	− 0·284	...	...
691	Lacaille 5844	+ 4·3303	+ 0·0912	...	+ 17·131	− 0·335	...	...
692	98 Virginis κ	+ 3·1908	+ 0·0122	+ 0·001	+ 17·100	− 0·250	− 0·02	4716
693	... ...	+ 3·7733	+ 0·0445	...	+ 17·084	− 0·295	...	...
694	99 Virginis ι ...	+ 3·1391	+ 0·0102	+ 0·001	+ 16·959	− 0·252	+ 0·41	4727
695	16 Bootis α (*Arcturus*)	+ 2·8132	+ 0·0004	− 0·079	+ 16·934	− 0·227	+ 1·93	4729
696	... ...	+ 3·5710	+ 0·0304	...	+ 16·835	− 0·290	...	...
697	100 Virginis λ	+ 3·2309	+ 0·0140	− 0·002	+ 16·824	− 0·264	− 0·02	4743
698	W. B. E. XIV. 192	+ 3·2509	+ 0·0146	...	+ 16·818	− 0·266	...	...
699	... ...	+ 3·8524	+ 0·0477	...	+ 16·756	− 0·314	...	...
700	... ...	+ 3·5416	+ 0·0281	...	+ 16·650	− 0·294	...	...

680.—Proper motions from "*Stone's Cape Catalogue.*"
684.—Proper motions from "*Greenwich Catalogue 1872.*"

Mean Positions of Stars for 1867 January 1st.

Number.	Star.	Magnitude.	Estimations.	Mean Right Ascension.			Mean Polar Distance.			Observations.	Fraction of Year.
				h	m	s	°	′	″		
701	Taylor 6740	7·4	1	14	19	16·54	133	43	47·4	1	0·43
702	... ...	8·7	2	14	19	44·67	124	39	11·4	2	0·41
703	... ...	8·0	1	14	20	8·62	127	9	44·7	1	0·43
704	Lacaille 5962	7·0	1	14	22	53·23	129	47	33·6	1	0·33
705	... ...	9·0	1	14	23	7·11	129	46	47·5	1	0·33
706	25 Bootis ρ	3·6	...	14	26	5·84	59	2	37·4	11	0·40
707	.. ..	9·3	1	14	26	54·52	123	20	51·2	1	0·43
708	... ...	7·5	3	14	29	37·68	124	56	19·8	3	0·43
709	Lacaille 6027	7·9	1	14	31	15·11	122	48	5·5	1	0·42
710	Taylor 6848	7·3	1	14	33	0·34	136	42	7·2	1	0·41
711	α Lupi	2·6	...	14	33	5·77	136	48	54·3	2	0·43
712	... ...	9·0	...	14	33	6·45	126	18	35·1	1	0·40
713	... ...	8·9	1	14	36	44·43	150	18	9·5	1	0·48
714	5 Libræ	6·6	...	14	38	37·98	104	53	49·7	2	0·22
715	36 Bootis ε (*Mirac*) ...	2·6	...	14	39	10·65	62	21	49·4	6	0·41
716	... ...	8·3	...	14	40	35·81	127	4	32·7	1	0·39
717	Brisbane 5069	8·0	1	14	41	35·46	131	17	31·3	1	0·44
718	Lalande 27022	7·8	1	14	43	22·05	78	57	10·4	1	0·48
719	9 Libræ α²	3·0	...	14	43	31·43	105	29	14·5	6	0·38
720	... ...	9·5	1	14	47	43·98	150	41	43·7	1	0·48
721	... ...	8·9	1	14	50	34·91	130	32	53·5	1	0·43
722	O. A. S. 14112	8·1	2	14	51	3·32	109	11	27·7	2	0·46
723	7 Urs. Min. β Var 1 (*Kochab*)	2·1	...	14	51	7·85	15	18	2·8	1	0·49
724	Radcliffe 3306	7·5	1	14	56	6·45	42	11	45·8	1	0·41
725	Taylor 7036	6·7	...	14	58	5·88	62	23	49·4	1	0·41
726	43 Bootis ψ	4·5	...	14	58	44·76	62	31	56·3	3	0·44
727	21 Libræ ν¹	5·4	...	14	59	12·62	105	44	19·6	1	0·37
728	W. B. E. XV. 7	8·5	1	15	2	30·34	97	21	42·2	1	0·45
729	Taylor 7079	6·6	1	15	3	30·99	123	7	50·1	1	0·44
730	W. B. E. XV. 32 ...	8·2	1	15	3	36·41	97	2	18·4	1	0·48
731	R. P. L. 111	6·0	...	15	5	23·02	5	32	5·3	2	0·42
732	W. B. E. XV 86... ...	9·3	2	15	6	41·06	98	2	34·2	2	0·50
733	27 Libræ β	2·7	...	15	9	51·11	98	53	24·7	5	0·39
734	... ...	7·7	1	15	12	2·83	130	34	41·7	1	0·44
735	... ...	9·0	1	15	17	15·87	130	4	21·4	1	0·40

722—Comparison star for Isis in 1861.
723.—β Ursæ Minoris Var. 1.—(*Kochab*)—Supposed to vary irregularly from 2·0 to 2·5 magnitude
728.—730.—732.—Comparison stars for Comet 2, 1867.
731.—Grombridge 2213.

Observed with the Madras Meridian Circle in that Year.

Number.	Star.	In Right Ascension. Annual Precession.	In Right Ascension. Secular Variation.	In Right Ascension. Proper Motion.	In Polar Distance. Annual Precession.	In Polar Distance. Secular Variation.	In Polar Distance. Proper Motion.	Number in B. A. C.
		s	s	s	"	"	"	
701	Taylor 6740 ...	+ 3·8021	+ 0·0423	...	+ 16·464	− 0·323	...	...
702	. .	+ 3·6010	+ 0·0306	...	+ 16·441	− 0·308	...	...
703	. ..	+ 3·6340	+ 0·0334	...	+ 16·421	− 0·313	.	..
704	Lacaille 5962	+ 3·7224	+ 0·0365	.	+ 16·282	− 0·324	...	...
705	.. .. ..	+ 3·7230	+ 0·0364	.	+ 16·270	− 0·324	...	...
706	25 Bootis ρ .	+ 2·5947	− 0·0015	− 0·008	+ 16·117	− 0·233	− 0·14	4808
707	... .	+ 3·5982	+ 0·0291	..	+ 16·074	− 0·321	...	...
708	.. .	+ 3·6395	+ 0·0306	...	+ 15·931	− 0·329	...	...
709	Lacaille 6027	+ 3·6004	+ 0·0284	..	+ 15·844	− 0·329	...	...
710	Taylor 6848 ..	+ 3·9506	+ 0·0469	...	+ 15·749	− 0·364	...	...
711	α Lupi	+ 3·9545	+ 0·0472	...	+ 15·744	− 0·364	...	4830
712	... ...	+ 3·6807	+ 0·0319	...	+ 15·743	− 0·339	...	...
713	... ...	+ 4·5532	+ 0·0874	...	+ 15·544	− 0·426	...	...
714	5 Libræ .	+ 3·2992	+ 0·0152	− 0·003	+ 15·439	− 0·314	+ 0·01	4868
715	36 Bootis ε (*Mirac*)	+ 2·6240	− 0·0001	− 0·005	+ 15·409	− 0·252	− 0·01	4876
716	. .	+ 3·7236	+ 0·0326	. .	+ 15·329	− 0·357	...	...
717	Brisbane 5069 .	+ 3·8332	+ 0·0379	...	+ 15·273	− 0·369	...	...
718	Lalande 27022 .	+ 2·9014	+ 0·0045	...	+ 15·171	− 0·283	...	...
719	9 Libræ α² .	+ 3·3145	+ 0·0154	− 0·007	+ 15·163	− 0·324	+ 0·06	4895
720	. ...	+ 4·6639	+ 0·0883	...	+ 14·920	− 0·460	...	...
721	. . .	+ 3·8471	+ 0·0363	...	+ 14·751	− 0·386	...	...
722	O. A. S. 14112 .	+ 3·3881	+ 0·0175	...	+ 14·724	− 0·341	...	...
723	7 Urs. Min. β Var. 1.	− 0·2470	+ 0·1022	− 0·005	+ 14·720	+ 0·018	+ 0·03	4936
724	Radcliffe 8306 .	+ 2·0174	+ 0·0009	...	+ 14·418	− 0·213	...	4949
725	Taylor 7936	+ 2·5819	+ 0·0011	...	+ 14·298	− 0·270	...	4962
726	43 Bootis ψ .	+ 2·5833	+ 0·0010	− 0·013	+ 14·259	− 0·271	0·00	4969
727	21 Libræ ν¹	+ 3·3377	+ 0·0153	− 0·004	+ 14·230	− 0·349	+ 0·06	4970
728	W. B. E. XV. 7	+ 3·1956	+ 0·0112	...	+ 14·025	− 0·339	...	...
729	Taylor 7079 . .	+ 3·6986	+ 0·0273	...	+ 13·962	− 0·393	...	...
730	W. B. E. XV. 32	+ 3·1906	+ 0·0112	...	+ 13·956	− 0·340	...	..
731	R. P. L. 111 ...	− 6·9100	+ 1·1827	..	+ 13·844	+ 0·723	...	5022
732	W. B. E. XV. 86	+ 3·2095	+ 0·0114	..	+ 13·762	− 0·347	...	...
733	27 Libræ β ..	+ 3·2262	+ 0·0117	− 0·000	+ 13·558	− 0·353	+ 0·01	5034
734	... . .	+ 3·9182	+ 0·0343	...	+ 13·410	− 0·431	...	...
735	.. ..	+ 3·9251	+ 0·0334	..	+ 13·073	− 0·440	...	..

Mean Positions of Stars for 1867 January 1st.

Number.	Star.	Magnitude.	Estimations.	Mean Right Ascension.			Mean Polar Distance.			Observations.	Fraction of Year.
				h.	m.	s.	°	′	″		
736	32 Libræ ξ^1	6·2	...	15	20	45·60	106	15	3·0	3	0·32
737	R. P. L. 114	6·9	...	15	21	20·41	2	15	42·4	1	0·95
738	... ...	9·0	1	15	22	42·68	151	37	40·5	2	0·46
739	... ...	9·7	1	15	24	45·15	130	9	34·5	1	0·39
740	... ...	8·3	1	15	25	11·94	122	44	14·9	1	0·51
741	Lacaille 6421	7·8	2	15	25	50·25	122	43	10·8	2	0·50
742	38 Libræ γ	4·0	...	15	28	5·41	104	20	38·8	3	0·35
743	5 Cav. Bar. α (*Alpheta*) ...	2·4	...	15	29	3·41	62	50	10·4	4	0·47
744	... ...	10·0	1	15	29	10·22	119	38	26·6	1	0·51
745	... ...	9·7	1	15	29	23·71	119	41	3·9	1	0·51
746	Lalande 28530	8·0	1	15	31	56·46	47	25	55·4	1	0·37
747	Taylor 7300	7·7	2	15	32	24·92	103	37	10·4	2	0·40
748	... ...	9·9	1	15	33	47·51	126	35	48·5	1	0·39
749	24 Serpentis α	2·7	...	15	37	43·04	83	9	13·7	10	0·49
750	O. A. S. 14874	8·0	1	15	39	38·29	104	49	12·1	1	0·40
751	Lalande 28787	8·8	1	15	42	15·43	92	49	28·0	1	0·52
752	... ...	9·5	1	15	42	19·88	104	24	56·6	1	0·39
753	... ...	10·5	1	15	42	39·97	61	47	14·2	1	0·41
754	O. A. S. 14934	9·7	1	15	42	50·76	107	52	58·2	1	0·51
755	... ...	9·0	1	15	44	7·97	101	22	9·7	1	0·39
756	W. B. E. XV. 838 ...	8·0	1	15	44	0·90	104	27	34·5	1	0·43
757	36 Serpentis b	5·2	...	15	44	20·20	92	41	9·3	1	0·52
758	46 Libræ θ	4·3	...	15	46	15·24	106	20	13·6	1	0·38
759	O. A. S. 14996	8·9	1	15	46	41·14	105	16	1·1	1	0·40
760	R. P. L. 115	6·9	...	15	48	8·96	4	44	29·3	2	0·49
761	O. A. S. 15053	8·0	2	15	49	12·33	105	26	29·7	2	0·50
762	W. B. E. XV. 923 ...	9·8	1	15	49	28·16	104	56	37·5	1	0·51
763	O. A. S. 15146... ...	9·5	1	15	54	57·22	107	29	20·3	1	0·39
764	O. A. S. 15148	8·9	1	15	54	59·87	107	47	53·6	1	0·46
765	W. B. E. XV. 1044 ...	7·7	2	15	55	59·51	96	27	43·4	2	0·46
766	1 Scorpii β^1	2·9	...	15	57	42·38	109	26	20·2	7	0·50
767	Lalande 29306	8·0	1	15	59	36·58	107	34	29·4	1	0·40
768	14 Scorpii ν	4·2	...	16	4	16·02	109	6	45·7	4	0·49
769	1 Ophiuchi δ	2·8	...	16	7	22·62	93	20	59·5	2	0·50
770	Lalande 29610 ..	8·0	...	16	8	20·45	105	32	59·9	1	0·52

737.—Groombridge 2283.
742.—Comparison star for Comet 2, 1867.
746.—765.—Comparison stars for Comet 3, 1862.
747.—750.—755.—756.—759.—761.—762.—Comparison stars for Asia in 1861.
751.—757.—770.—Comparison stars for Donati's Comet in 1858.
754.—763.—764.—767.—Comparison stars for Sylvia in 1866.
760.—Carrington 2380.

Observed with the Madras Meridian Circle in that Year.

Number.	Star.	In Right Ascension. Annual Precession.	In Right Ascension. Secular Variation.	In Right Ascension. Proper Motion.	In Polar Distance. Annual Precession.	In Polar Distance. Secular Variation.	In Polar Distance. Proper Motion.	Number in B. A. C.
		s	s	s	"	"	"	
736	32 Libræ ξ¹ ...	+ 3·3715	+ 0·0148	− 0·002	+ 12·840	− 0·384	+ 0·05	5089
737	R. P. L. 114 ...	− 22·9852	+ 7·7277	...	+ 12·801	+ 2·575	.	5140
738	...	+ 4·9872	+ 0·0862	.	+ 12·700	− 0·567		
739	...	+ 3·9513	+ 0·0327	...	+ 12·570	− 0·454	...	
740	...	+ 3·7430	+ 0·0252	...	+ 12·540	− 0·431	..	
741	Lacaille 6421 ...	+ 3·7440	+ 0·0252	..	+ 12·496	− 0·433		
742	38 Libræ γ ...	+ 3·3417	+ 0·0136	+ 0·002	+ 12·340	− 0·389	− 0·02	5134
743	5 Cor. Bor. α (*Alphecta.*)	+ 2·5295	+ 0·0023	+ 0·009	+ 12·274	− 0·297	+ 0·07	5143
744	...	+ 3·6740	+ 0·0224	...	+ 12·266	− 0·429	.	
745	...	+ 3·6755	+ 0·0224	...	+ 12·249	− 0·429		..
746	Lalande 28530	+ 2·0916	+ 0·0025	.	+ 12·073	− 0·249	.	
747	Taylor 7300 ..	+ 3·3312	+ 0·0131		+ 12·010	− 0·393		..
748	...	+ 3·8697	+ 0·0278	.	+ 11·944	− 0·458	.	...
749	24 Serpentis α ...	+ 2·9415	+ 0·0062	+ 0·009	+ 11·666	− 0·354	− 0·06	5196
750	O. A. S. 14874 ..	+ 3·3616	+ 0·0133	...	+ 11·529	− 0·405	...	..
751	Lalande 28757 ..	+ 3·1266	+ 0·0088	..	+ 11·341	− 0·381	..	..
752	...	+ 3·3556	+ 0·0130	..	+ 11·335	− 0·409	..	..
753	...	+ 2·4796	+ 0·0027	..	+ 11·311	− 0·304	.	.
754	O. A. S. 14934 ...	+ 3·4287	+ 0·0145	...	+ 11·287	− 0·418	..	..
755	...	+ 3·3562	+ 0·0129	.	+ 11·205	− 0·411	.	..
756	W. B. E. XV. 838 .	+ 3·3580	+ 0·0130	...	+ 11·203	− 0·411	...	
757	36 Serpentis *b*	+ 3·1242	+ 0·0087	− 0·004	+ 11·190	− 0·395	+ 0·02	5246
758	46 Libræ θ ...	+ 3·3992	+ 0·0136	+ 0·009	+ 11·050	− 0·418	− 0·12	5257
759	O. A. S. 14996 .	+ 3·3770	+ 0·0131	...	+ 11·010	− 0·416	...	.
760	R. P. L. 115 ..	− 10·4533	+ 1·5433	...	+ 10·912	+ 1·274	..	...
761	O. A. S. 15053 ..	+ 3·3829	+ 0·0131	...	+ 10·834	− 0·420	..	.
762	W. B. E. XV. 923. ..	+ 3·3726	+ 0·0128	...	+ 10·815	− 0·419	..	..
763	O. A. S. 15146	+ 3·4322	+ 0·0135	..	+ 10·407	− 0·432	..	..
764	O. A. S. 15148	+ 3·4390	+ 0·0137	..	+ 10·404	− 0·433	.	
765	W. B. E. XV. 1044..	+ 3·1817	+ 0·0092	..	+ 10·330	− 0·402	.	
766	8 Scorpii β¹ ..	+ 3·4783	+ 0·0142	− 0·002	+ 10·200	− 0·411	+ 0·02	5329
767	Lalande 29306	+ 3·4385	+ 0·0132	...	+ 10·057	− 0·438	.	.
768	14 Scorpii ν	+ 3·4776	+ 0·0136	− 0·002	+ 9·702	− 0·448	+ 0·08	5352
769	1 Ophiuchi δ	+ 3·1411	+ 0·0081	− 0·006	+ 9·464	− 0·408	+ 0·13	5414
770	Lalande 29610 ..	+ 3·4010	+ 0·0119	.	+ 9·388	− 0·442	.	

736.—758.—Proper motions from "*Greenwich Catalogue* 1872."
757.—Proper motions from "*Greenwich Catalogue* 1864."

Mean Positions of Stars for 1867 January 1st.

Number.	Star.	Magnitude.	Estimations.	Mean Right Ascension.			Mean Polar Distance.			Observations.	Fraction of Year.
				h.	m.	s.	°	′	″		
771	O. A. S. 15470	8·0	1	16	9	19·13	112	35	20·5	1	0·41
772	R Scorpii Var. 1	9·5	2	16	9	43·59	112	36	49·3	2	0·51
773	S Scorpii Var 2	10·0	4	16	9	44·87	112	33	44·2	4	0·42
774	... .	8·7	1	16	9	53·80	112	34	4·3	1	0·51
775	... .	8·0	1	16	14	27·36	146	11	32·2	1	0·50
776	4 Ophiuchi ψ .	4·6	...	16	16	19·36	109	43	25·2	2	0·45
777	O. A. S. 15613 . ..	7·9	1	16	17	25·94	113	9	2·8	1	0·49
778	21 Scorpii α (*Antares*)	1·1	.	16	21	15·38	116	8	1·4	1	0·52
779	40 Herculis ζ	3·1	..	16	36	16·28	58	9	17·4	3	0·51
780	Lacaille 6984	8·7	1	16	39	54·74	120	57	45·5	1	0·50
781	.. ..	9·3	1	16	44	47·50	130	18	30·3	1	0·51
782	... ...	10·3	1	16	45	1·68	75	17	3·9	1	0·51
783	Taylor 7815 . . .	7·5	1	16	45	42·30	130	18	13·2	1	0·51
784	S Herculis Var. 3 ...	6·9	1	16	45	50·51	74	49	57·9	1	0·59
785	49 Herculis	7·0	1	16	46	1·33	74	48	3·2	1	0·50
786	Taylor 7832	8·0	1	16	47	41·26	130	17	49·5	1	0·51
787	Taylor 7842	6·8	...	16	48	21·27	106	35	29·0	1	0·53
788	... ...	8·0	...	16	49	5·74	125	31	35·6	1	0·56
789	27 Ophiuchi κ	3·4	...	16	51	22·35	80	24	57·6	3	0·48
790	29 Ophiuchi	6·8	.	16	54	4·72	108	41	13·9	1	0·30
791	O. A. S. 16233	8·0	1	16	54	9·45	110	23	50·8	1	0·58
792	... .	8·3	1	16	55	27·43	109	56	49·5	1	0·56
793	O. A. S. 16288	7·7	1	16	56	39·03	119	50	24·5	1	0·61
794	22 Ursæ Minoris ε ...	4·5	...	16	59	42·41	7	44	59·5	2	0·07
795	R Ophiuchi Var. 2 ...	7·9	3	17	0	7·85	105	54	46·4	3	0·43
796	35 Ophiuchi η	2·6	.	17	2	44·05	105	33	26·5	2	0·49
797	. . . ..	8·0	1	17	5	56·72	130	50	29·0	1	0·61
798	... .	9·0	1	17	6	19·26	130	54	14·7	1	0·58
799	64 Herculis α Var. 1 ...	3·2	..	17	8	34·96	75	27	21·8	3	0·52
800	Taylor 8017	6·9	1	17	13	32·30	114	46	8·3	1	0·42
801	42 Ophiuchi θ	3·4	.	17	13	50·56	114	51	49·7	4	0·52
802	.. . .	8·5	2	17	21	16·71	130	43	45·4	2	0·58
803		9·3	1	17	21	25·74	130	45	50·2	1	0·58
804	... . ..	9·7	1	17	27	14·81	130	35	48·1	1	0·58
805	23 Draconis β . .	3·0	...	17	27	25·61	37	35	57·1	1	0·60

771.—774.—Stars observed for map of R Scorpii Var. 1.
772.—R Scorpii Var. 1.—Period 2.3 days.—Range, 9th to below 14th magnitude.
773.—S Scorpii Var. 2.—Period 177 days.—Range, 9th to below 14th magnitude.
777.—Comparison star for Angelina in 1866.
784.—S Herculis Var. 3.—Period 303 days.—Range, 6th to 12th magnitude.
791.—792.—Stars observed for map of T Serpentis Var. 4.
795.—R Ophiuchi Var. 2.—Period 303 days.—Range, 7·5 to below 14th magnitude.
799.—α Herculis Var. 1.—Changes irregularly between 3rd and 4th magnitude.

Observed with the Madras Meridian Circle in that Year.

Number.	Star.	In Right Ascension.			In Polar Distance.			Number in B. A. C.
		Annual Precession.	Secular Variation.	Proper Motion.	Annual Precession.	Secular Variation.	Proper Motion.	
		s	s	s	"	"	"	
771	O. A. S. 15470	+ 3·5648	+ 0·0147	...	+ 9·313	− 0·464	..	.
772	R Scorpii Var. 1.	+ 3·5658	+ 0·0147	...	+ 9·282	− 0·465	...	...
773	S Scorpii Var. 2. ..	+ 3·5646	+ 0·0146	...	+ 9·280	− 0·465	..	...
774	.. ..	+ 3·5649	+ 0·0147	..	+ 9·267	− 0·465	...	...
775	... ...	+ 4·8608	+ 0·0192	..	+ 8·912	− 0·638	...	...
776	4 Ophiuchi ψ . .	+ 3·5032	+ 0·0128	− 0·004	+ 8·766	− 0·464	+ 0·06	5407
777	O. A. S. 15613 .	+ 3·5875	+ 0·0141	...	+ 8·679	− 0·476	...	...
778	21 Scorpii α (*Antares*)	+ 3·6681	+ 0·0150	− 0·001	+ 8·376	− 0·491	+ 0·03	5498
779	40 Herculis ζ	+ 2·2964	+ 0·0033	− 0·034	+ 7·165	− 0·316	− 0·45	5604
780	Lacaille 6984 ..	+ 3·8258	+ 0·0140	...	+ 6·867	− 0·528	...	5622
781	.. ...	+ 4·1458	+ 0·0192	...	+ 6·463	− 0·575	...	...
782	... ..	+ 2·7396	+ 0·0039	...	+ 6·443	− 0·381	...	...
783	Taylor 7815 ..	+ 4·1471	+ 0·0191	...	+ 6·388	− 0·576	...	...
784	S Herculis Var. 3	+ 2·7825	+ 0·0039	...	+ 6·370	− 0·380	...	...
785	49 Herculis ...	+ 2·7276	+ 0·0040	− 0·001	+ 6·361	− 0·381	− 0·02	5674
786	Taylor 7832	+ 4·1499	+ 0·0186	...	+ 6·223	− 0·578	...	...
787	Taylor 7842 ..	+ 3·4512	+ 0·0089	...	+ 6·168	− 0·482	...	5695
788	... ...	+ 3·9815	+ 0·0156	...	+ 6·106	− 0·556	...	...
789	27 Ophiuchi κ ..	+ 2·8563	+ 0·0044	− 0·023	+ 5·916	− 0·402	− 0·02	5708
790	29 Ophiuchi	+ 3·5057	+ 0·0089	− 0·001	+ 5·690	− 0·492	− 0·01	5723
791	O. A. S. 16233 .	+ 3·5489	+ 0·0093	...	+ 5·683	− 0·498	...	...
792	... .	+ 3·5383	+ 0·0091	...	+ 5·574	− 0·498	...	...
793	O. A. S. 16283 ..	+ 3·8100	+ 0·0119	...	+ 5·473	− 0·537	...	...
794	22 Ursæ Minoris ε ..	− 6·4154	+ 0·3048	+ 0·009	+ 5·215	+ 0·001	− 0·01	5780
795	R Ophiuchi Var. 2	+ 3·4404	+ 0·0077	...	+ 5·179	− 0·487	...	...
796	35 Ophiuchi η	+ 3·4327	+ 0·0073	+ 0·001	+ 4·958	− 0·487	− 0·12	5781
797	.	+ 4·1960	+ 0·0148	..	+ 4·686	− 0·597	. .	...
798	. ...	+ 4·1987	+ 0·0146	...	+ 4·656	− 0·598	...	...
799	64 Herculis α Var. 1..	+ 2·7339	+ 0·0035	− 0·003	+ 4·461	− 0·391	− 0·04	5281
800	Taylor 8017	+ 3·6764	+ 0·0090	...	+ 4·037	− 0·527	..	5846
801	42 Ophiuchi θ ..	+ 3·6791	+ 0·0080	− 0·003	+ 4·012	− 0·528	− 0·02	5851
802	.. ..	+ 4·2069	+ 0·0111	..	+ 3·372	− 0·606	...	..
803	.. .. .	+ 4·2084	+ 0·0111	..	+ 3·350	− 0·606	...	. .
804	... .	+ 5·4203	+ 0·0219	...	+ 2·855	− 0·783	...	...
805	23 Draconis β	+ 1·3534	+ 0·0052	− 0·003	+ 2·841	− 0·197	0·00	5937

789.—Proper motions from "*Greenwich Catalogue* 1872."
790.—Proper motions from "*Greenwich Catalogue* 1864."

Mean Positions of Stars for 1867 January 1st.

Number.	Star.	Magnitude.	Estimations.	Mean Right Ascension.			Mean Polar Distance.			Observations.	Fraction of Year.
				h.	m.	s.	°	′	″		
806	55 Ophiuchi α	2·2	...	17	28	45·61	77	20	28·0	8	0·55
807	Taylor 8141	6·0	1	17	30	45·68	111	49	52·0	1	0·30
808	... ...	9·9	2	17	34	46·38	128	35	29·0	2	0·61
809	... ...	9·9	1	17	34	46·51	126	15	7·4	1	0·56
810	... .	9·2	1	17	36	18·98	150	36	11·8	1	0·51
811	58 Ophiuchi	5·0	...	17	36	27·93	111	36	55·7	1	0·30
812	... ...	9·4	1	17	36	39·44	150	37	13·4	1	0·51
813	... ...	9·0	1	17	37	52·05	126	29	24·4	1	0·58
814	... ...	8·0	1	17	39	45·53	127	21	43·8	1	0·52
815	... ...	8·0	1	17	39	56·07	127	14	41·1	1	0·56
816	... ...	8·3	1	17	40	7·93	126	28	26·9	1	0·60
817	86 Herculis μ	3·5	...	17	41	15·21	62	11	59·4	6	0·54
818	Radcliffe 3765	8·3	1	17	43	41·47	17	32	1·3	1	0·58
819	... .	8·6	2	17	45	13·75	128	35	22·5	3	0·53
820	Lacaille 7499	7·1	3	17	48	27·76	129	4	44·4	3	0·60
821	Taylor 8288	6·0	1	17	48	40·02	105	47	10·7	1	0·46
822	Lacaille 7504	6·9	1	17	48	44·46	129	6	53·1	1	0·59
823	4 Sagittarii b	4·6	...	17	51	40·31	113	48	1·8	1	0·64
824	... ...	9·0	2	17	59	36·77	150	26	10·2	2	0·57
825	13 Sagittarii μ^1	4·1	...	18	5	48·46	111	5	26·9	9	0·56
826	Lacaille 7644	6·7	1	18	9	9·68	132	19	59·6	1	0·52
827	... ...	8·8	1	18	13	7·00	127	48	58·4	1	0·58
828	23 Ursæ Minoris δ ...	4·3	...	18	15	14·99	3	23	41·4	4	0·42
829	21 Sagittarii	4·9	...	18	17	25·61	110	36	36·7	1	0·52
830	Taylor 8509	4·7	..	18	21	36·94	104	38	52·2	2	0·56
831	.. ..	9·0	...	18	23	14·79	135	15	42·2	1	0·58
832	θ Coronæ Australis ...	6·6	1	18	23	59·97	132	24	17·6	1	0·59
833	... ...	10·3	1	18	29	30·48	136	55	20·1	1	0·51
834	... .	9·0	2	18	29	39·22	135	51	47·2	2	0·54
835	3 Lyræ α (*Vega*)	0·2	...	18	32	26·04	51	20	19·3	5	0·59
836	... .	9·3	1	18	35	12·89	137	16	7·4	1	0·52
837	.. ..	9·3	1	18	36	2·46	137	10	52·1	1	0·56
838	... ...	9·0	1	18	40	37·19	127	27	35·8	1	0·68
839	10 Lyræ β Var. 1 ..	3·6	..	18	45	10·07	56	47	26·0	13	0·59
840	... .	8·2	1	18	46	2·94	126	40	44·3	1	0·51

809.—813.—814.—815.—819.—820.—822.—832.—834.—836.—837.—Comparison stars for Donati's Comet of 1858.

839.—β Lyræ Var. 1.—Period 12·91 days.—Range, 3·5 to 4·5 magnitude.

Observed with the Madras Meridian Circle in that Year.

Number.	Star.	In Right Ascension. Annual Precession.	In Right Ascension. Secular Variation.	In Right Ascension. Proper Motion.	In Polar Distance. Annual Precession.	In Polar Distance. Secular Variation.	In Polar Distance. Proper Motion.	Number in B. A. C.
		s	s	s	"	"	"	
806	55 Ophiuchi α	+ 2·7746	+ 0·0030	+ 0·01	+ 2·726	− 0·402	+ 0·20	5941
807	Taylor 8141	+ 3·6033	+ 0·0054	...	+ 2·552	− 0·522	...	5954
808	...	+ 4·1326	+ 0·0072	...	+ 2·203	− 0·600	...	...
809	...	+ 4·0467	+ 0·0069	...	+ 2·208	− 0·587	...	...
810	...	+ 5·4325	+ 0·0162	...	+ 2·068	− 0·797	...	...
811	58 Ophiuchi	+ 3·5089	+ 0·0050	− 0·010	+ 2·143	− 0·523	− 0·04	5987
812	...	+ 5·4346	+ 0·0155	...	+ 2·039	− 0·790	...	...
813	...	+ 4·0565	+ 0·0064	...	+ 1·934	− 0·590	...	.
814	...	+ 4·0889	+ 0·0060	...	+ 1·768	− 0·595	.	...
815	...	+ 4·0848	+ 0·0060	...	+ 1·753	− 0·594	...	...
816	...	+ 4·0568	+ 0·0057	...	+ 1·736	− 0·591	...	...
817	86 Herculis μ	+ 2·3695	+ 0·0025	− 0·026	+ 1·639	− 0·346	+ 0·74	6021
818	Radcliffe 3765	− 1·1489	+ 0·0163	...	+ 1·426	+ 0·166	...	...
819	...	+ 4·1368	+ 0·0049	...	+ 1·292	− 0·603	...	...
820	Lacaille 7490	+ 4·1565	+ 0·0042	...	+ 1·009	− 0·605	...	...
821	Taylor 8288	+ 3·4496	+ 0·0029	...	+ 0·991	− 0·508	...	6065
822	Lacaille 7504	+ 4·1580	+ 0·0042	...	+ 0·985	− 0·606	...	...
823	4 Sagittarii b	+ 3·6615	+ 0·0028	− 0·005	+ 0·720	− 0·534	+ 0·04	6077
824	...	+ 5·4292	+ 0·0012	...	+ 0·034	− 0·792	...	.
825	13 Sagittarii μ^1	+ 3·5876	+ 0·0009	− 0·004	− 0·508	− 0·523	+ 0·01	6168
826	Lacaille 7644	+ 4·2592	− 0·0010	...	− 0·801	− 0·625	...	...
827	...	+ 4·1081	− 0·0015	...	− 1·147	− 0·508	...	
828	23 Ursæ Minoris δ	− 19·4138	− 0·4457	+ 0·048	− 1·333	+ 2·831	− 0·03	6281
829	21 Sagittarii	+ 3·5735	− 0·0004	− 0·003	− 1·523	− 0·519	+ 0·02	6247
830	Taylor 8509	+ 3·4200	− 0·0003	...	− 1·880	− 0·496	...	6279
831	...	+ 4·4145	− 0·0059	...	− 2·016	− 0·640	...	...
832	θ Coronæ Australis	+ 4·2865	− 0·0049	0·000	− 2·096	− 0·620	− 0·03	6296
833	...	+ 4·4301	− 0·0062	...	− 2·575	− 0·649	...	
834	...	+ 4·4385	− 0·0060	...	− 2·588	− 0·641	.	...
835	3 Lyræ α (*Vega*)	+ 2·0131	+ 0·0016	+ 0·017	− 2·829	− 0·290	− 0·28	6355
836	...	+ 4·5024	− 0·0103	...	− 3·069	− 0·648	...	...
837	...	+ 4·4972	− 0·0103	...	− 3·141	− 0·647	...	...
838	...	+ 4·0804	− 0·0075	...	− 3·536	− 0·584	...	.
839	10 Lyræ β Var. 1	+ 2·2138	+ 0·0015	− 0·002	− 3·927	− 0·315	+ 0·03	6429
840	...	+ 4·0479	− 0·0084	.	− 4·002	− 0·578	...	.

832.—Proper motions from "*Stone's Cape Catalogue.*"

Mean Positions of Stars for 1867 January 1st.

Number.	Star.	Magnitude.	Estimations.	Mean Right Ascension.			Mean Polar Distance.			Observations.	Fraction of Year.
				h.	m.	s.	°	′	″		
841	Lacaille 7519	8·0	1	18	47	55·34	129	4	56·6	1	0·66
842	O. A. S. 18960	7·0	1	18	53	49·98	121	7	25·2	1	0·64
843	39 Sagittarii ο	3·9	...	18	56	42·66	111	56	0·9	1	0·46
844	17 Aquilæ ζ	3·1	...	18	59	17·71	76	19	56·0	12	0·59
845	21 Sagittarii π	3·1	...	19	1	51·16	111	13	56·5	1	0·46
846	... ...	9·3	2	19	5	21·12	126	28	0·4	2	0·65
847	... ...	9·0	...	19	7	18·69	129	47	25·3	1	0·56
848	... ...	9·7	...	19	8	30·65	129	48	45·5	1	0·56
849	... ...	8·3	1	19	10	19·98	146	12	40·1	1	0·66
850	25 Aquilæ ω	5·1	...	19	11	34·33	78	38	32·0	6	0·60
851	30 Aquilæ δ	3·5	...	19	18	47·43	87	8	53·1	7	0·57
852	... ...	9·3	1	19	19	21·58	128	38	7·2	1	0·66
853	... ...	9·0	1	19	25	22·14	127	48	53·8	1	0·66
854	52 Sagittarii h^2	4·6	2	19	28	36·55	115	10	28·0	2	0·64
855	... ...	8·0	1	19	31	11·37	127	42	5·7	1	0·66
856	. ...	8·0	1	19	34	2·07	127	44	53·3	1	0·66
857	55 Sagittarii ε²	5·0	...	19	34	54·46	105	25	59·4	1	0·46
858	50 Aquilæ γ	2·8	..	19	39	56·08	79	42	31·5	6	0·63
859	O. A. S. 19996	9·5	1	19	42	27·58	108	11	37·3	1	0·54
860	53 Aquilæ α (*Altair.*) . .	1·0	..	19	44	17·51	81	23	50·1	4	0·61
861	55 Aquilæ η Var. 1 ...	3·9	...	19	45	41·71	89	20	1·2	1	0·69
862	60 Aquilæ β	4·0	...	19	48	46·71	83	55	24·0	7	0·58
863	λ Ursæ Minoris	6·5	...	19	57	13·56	1	5	24·7	6	0·34
864	... ...	9·3	1	19	59	27·77	129	10	55·1	1	0·66
865	O. A. N. 20046	9·5	1	20	2	43·30	32	23	1·4	1	0·55
866	. ...	[illegible]	...	20	5	31·03	74	47	53·3	1	0·66
867	Lacaille 8370	7·6	1	20	7	13·98	152	18	42·3	1	0·75
868	O. A. S. 20350	9·0	1	20	8	31·97	110	25	36·6	1	0·62
869	6 Capricorni α² ...	3·8	..	20	10	40·30	102	57	17·9	5	0·65
870	. . ...	7·6	1	20	11	25·51	106	16	10·7	1	0·75
871	Lalande 39045 .	5·5	...	20	12	11·36	60	2	39·0	1	0·76
872	34 Cygni Var. 1	6·0	1	20	12	53·06	52	22	45·4	1	0·69
873	9 Capricorni β	3·4	...	20	13	32·06	105	11	56·7	2	0·46
874	Lalande 39126 . .	8·0	1	20	15	41·33	106	12	45·0	1	0·55
875	.. ..	9·0	1	20	15	54·03	106	16	51·2	1	0·75

842.—Comparison star for Eurydyce in 1866.
861.—η Aquilæ Var. 1.—Period 7·176 days.—Range, 3·5 to 4·7 magnitude.
865.—The *n. f.* companion of S Cygni Var. 4.
866.—The *s. f.* companion of S Aquilæ Var. 4.
868.—Comparison star for Parthenope in 1862.
870.—874.—875.—Comparison stars for Hestia in 1865.
872.—34 Cygni Var. 1.—Supposed to vary from 3rd to 6th magnitude in several years.

Observed with the Madras Meridian Circle in that Year.

Number.	Star.	In Right Ascension. Annual Precession.	In Right Ascension. Secular Variation.	In Right Ascension. Proper Motion.	In Polar Distance. Annual Precession.	In Polar Distance. Secular Variation.	In Polar Distance. Proper Motion.	Number in B. A. C.
		s	s	s	"	"	"	
841	Lacaille 7510	+ 4·1343	− 0·0098	..	− 4·163	− 0·588	..	..
842	O. A. S. 18960	+ 3·8572	− 0·0077	..	− 4·667	− 0·545	.	...
843	39 Sagittarii ο ...	+ 3·5942	− 0·0053	+ 0·001	− 4·912	− 0·506	+ 0·05	6507
844	17 Aquilæ ζ . ..	+ 2·7578	+ 0·0003	− 0·006	− 5·131	− 3·387	+ 0·07	6528
845	41 Sagittarii π ...	+ 3·5728	− 0·0057	− 0·004	− 5·347	− 0·500	+ 0·03	6548
846	... .. .	+ 4·0203	− 0·0121	...	− 5·641	− 0·560	...	...
847	... .	+ 4·1380	− 0·0144	...	− 5·806	− 0·576	...	...
848	... .	+ 4·1371	− 0·0146	...	− 5·907	− 0·574	...	..
849	.. ..	+ 4·0767	− 0·0328	...	− 6·058	− 0·689	...	.
850	25 Aquilæ ω	+ 2·8165	− 0·0003	− 0·003	− 6·162	− 0·388	− 0·02	6595
851	30 Aquilæ δ	+ 3·0093	− 0·0018	+ 0·014	− 6·700	− 0·410	− 0·10	6646
852	... .	+ 4·0773	− 0·0161	...	− 6·806	− 0·556	...	...
853	.. ..	+ 4·0386	− 0·0167	...	− 7·299	− 0·545	.	.
854	52 Sagittarii h^2 ...	+ 3·6540	− 0·0102	+ 0·002	− 7·563	− 0·490	− 0·02	6706
855	.. . ..	+ 4·0248	− 0·0176	...	− 7·771	− 0·538	...	...
856	... .	+ 4·0213	− 0·0182	...	− 8·000	− 0·535	..	.
857	55 Sagittarii e^2 ..	+ 3·4332	− 0·0075	+ 0·001	− 8·060	− 0·456	− 0·02	6742
858	50 Aquilæ γ	+ 2·8520	− 0·0011	+ 0·001	− 8·470	− 0·373	0·00	6772
859	O. A. S. 19996 ..	+ 3·4683	− 0·0087	...	− 8·670	− 0·452	...	..
860	53 Aquilæ α (*Altair*)	+ 2·8921	− 0·0014	+ 0·036	− 8·815	− 0·374	− 0·38	6802
861	55 Aquilæ η Var 1 ..	+ 3·0582	− 0·0031	− 0·001	− 8·924	− 0·396	+ 0·04	6811
862	60 Aquilæ β	+ 2·9455	− 0·0020	+ 0·002	− 9·166	− 0·378	+ 0·47	6833
863	λ Ursae Minoris ..	− 58·1926	− 29·8534	− 0·035	− 9·187	+ 7·405	− 0·01	6999
864	... .	+ 4·0171	− 0·0238	...	− 9·987	− 0·504	...	..
865	O. A. N. 20046 ..	+ 1·2502	− 0·0074	...	− 10·233	− 0·154	..	.
866	... .	+ 2·7618	− 0·0004	...	− 10·443	− 0·339	...	...
867	Lacaille 8370 ..	+ 5·2372	− 0·0772	...	− 10·571	− 0·643	..	6946
868	O. A. S. 20356 ..	+ 3·4937	− 0·0116	...	− 10·667	− 0·427	...	..
869	6 Capricorni α^2 ..	+ 3·3310	− 0·0084	+ 0·001	− 10·826	− 0·408	0·00	6974
870	..	+ 3·3999	− 0·0098	...	− 10·880	− 0·412	...	...
871	Lalande 39045 ..	+ 2·1332	+ 0·0017	...	− 10·937	− 0·256	...	6986
872	34 Cygni Var. 1 ..	+ 2·2102	+ 0·0019	...	− 10·968	− 0·265	...	6990
873	9 Capricorni β ..	+ 3·3754	− 0·0095	− 0·001	− 11·035	− 0·406	− 0·03	6995
874	Lalande 39125 ..	+ 3·3947	− 0·0101	...	− 11·176	− 0·406	..	...
875	. .. ..	+ 3·3950	− 0·0101	..	− 11·207	− 0·406	...	...

Mean Positions of Stars for 1867 January 1st.

Number.	Star.	Magnitude.	Estimations.	Mean Right Ascension. h.	m.	s.	Mean Polar Distance. °	′	″	Observations.	Fraction of Year.
876	... ...	9·8	1	20	17	1·92	121	11	13·7	1	0·65
877	11 Capricorni ρ	5·0	...	20	21	16·20	108	15	4·5	9	0·61
878	... .	8·6	2	20	23	10·13	125	57	53·1	2	0·75
879	... ...	8·7	1	20	23	27·03	124	56	27·3	1	0·55
880	Lalande 39525	7·0	1	20	25	5·01	86	1	54·2	1	0·75
881	... ...	9·0	...	20	26	32·29	121	12	4·1	1	0·54
882	... ...	9·0	1	20	27	24·47	121	5	21·7	1	0·62
883	... ...	9·5	1	20	28	54·11	121	5	54·5	1	0·62
884	... ...	9·0	1	20	29	59·00	143	51	26·6	1	0·73
885	... ...	9·3	1	20	31	42·69	124	40	12·9	1	0·55
886	Taylor 9518	7·1	2	20	32	6·37	105	26	26·8	2	0·65
887	... ...	9·0	2	20	34	52·00	128	13	8·3	2	0·74
888	... ...	8·6	1	20	35	58·17	124	59	44·1	1	0·75
889	... ...	8·5	1	20	36	46·45	148	22	57·3	2	0·72
890	50 Cygni α (*Deneb*) ...	1·5	...	20	36	53·82	45	11	38·8	4	0·62
891	... ...	10·4	1	20	39	23·25	74	4	49·4	1	0·73
892	O. A. S. 20841	7·9	3	20	39	23·83	116	53	58·9	3	0·76
893	2 Aquarii ε	3·8	..	20	40	28·45	99	58	30·5	1	0·64
894	... ...	9·3	1	20	43	48·16	124	57	31·1	1	0·73
895	6 Aquarii μ	4·8	...	20	45	28·84	99	28	50·9	1	0·72
896	32 Vulpeculæ	5·1	...	20	48	53·47	62	26	49·3	9	0·71
897	... ...	9·0	1	20	50	55·09	148	45	10·8	1	0·75
898	Lacaille 8630	7·0	1	20	51	35·61	126	38	31·4	1	0·74
899	... ...	9·6	2	20	57	56·21	120	24	37·2	2	0·74
900	8 Microscopii	6·8	2	20	57	59·04	120	39	4·2	3	0·75
901	23 Capricorni θ	4·3	...	20	58	28·27	107	45	34·9	1	0·77
902	... ...	9·7	1	20	59	53·89	129	0	47·2	2	0·63
903	... ...	9·0	2	21	0	44·06	120	4	3·4	2	0·77
904	61 Cygni ... ... 1st..	5·5	...	21	0	56·13	51	54	12·7	3	0·73
905	61 Cygni ... ... 2nd ..	6·3	...	21	0	57·49	51	54	18·6	1	0·72
906	... ...	9·1	2	21	1	22·25	119	59	41·9	2	0·75
907	13 Aquarii ν . —	4·6	—	21	2	20·77	101	54	30·6	2	0·66
908	64 Cygni ζ .. .	3·5	..	21	7	16·50	60	19	3·2	8	0·67
909	.. . .	9·4	2	21	13	59·50	128	59	31·9	2	0·68
910	. ...	7·8	1	21	14	30·54	125	28	38·2	2	0·69

892.—Comparison star for Undine in 1867.
899.—900.—903.—906.—Comparison stars for Sylvia in 1867.

Observed with the Madras Meridian Circle in that Year.

Number.	Star.	In Right Ascension.			In Polar Distance.			Number in B. A. C.
		Annual Precession.	Secular Variation.	Proper Motion.	Annual Precession.	Secular Variation.	Proper Motion.	
		s	s	s	"	"	"	
876	.. ..	+ 3·7410	− 0·0191	...	− 11·280	− 0·447	...	...
877	11 Capricorni ρ .	+ 3·4318	− 0·0115	− 0·006	− 11·594	− 0·403	+ 0·01	7042
878	... .	+ 3·8590	− 0·0237	...	− 11·729	− 0·451	...	...
879	...	+ 3·8291	− 0·0229	...	− 11·749	− 0·447	...	...
880	Lalande 39525	+ 2·9973	− 0·0031	...	− 11·865	− 0·347	...	...
881	... ...	+ 3·7219	− 0·0200	...	− 11·966	− 0·431	...	...
882	... ...	+ 3·7172	− 0·0200	...	− 12·028	− 0·429	...	...
883	... .	+ 3·7143	− 0·0201	...	− 12·132	− 0·427	...	...
884	. ...	+ 4·5245	− 0·0535	...	− 12·207	− 0·519	...	...
885	... ...	+ 3·8015	− 0·0234	...	− 12·327	− 0·432	...	...
886	Taylor 9518	+ 3·3630	− 0·0106	...	− 12·354	− 0·381	...	...
887	.. ... .	+ 3·8936	− 0·0275	...	− 12·544	− 0·438	...	...
888	... ...	+ 3·7997	− 0·0242	...	− 12·618	− 0·426	...	...
889	... ...	+ 4·7553	− 0·0694	...	− 12·674	− 0·533	...	...
890	50 Cygni α (*Deneb*)	+ 2·0433	+ 0·0021	− 0·002	− 12·682	− 0·226	0·00	7171
891	... .	+ 2·7793	0·0000	...	− 12·850	− 0·305	...	...
892	O. A. S. 20841 ...	+ 3·5928	− 0·0177	...	− 12·851	− 0·397	...	...
893	2 Aquarii ε	+ 3·2520	− 0·0084	− 0·001	− 12·923	− 0·356	+ 0·01	7196
894	.. ..	+ 3·7781	− 0·0248	...	− 13·144	− 0·410	...	...
895	6 Aquarii μ ..	+ 3·2396	− 0·0083	0·000	− 13·248	− 0·349	+ 0·04	7239
896	32 Vulpeculæ	+ 2·5555	+ 0·0026	− 0·002	− 13·477	− 0·270	0·00	7256
897	... ...	+ 4·6909	− 0·0739	...	− 13·608	− 0·497	...	...
898	Lacaille 8630 ..	+ 3·8006	− 0·0272	...	− 13·651	− 0·400	...	...
899	... .	+ 3·6320	− 0·0215	...	− 14·053	− 0·372	...	...
900	8 Microscopii	+ 3·6372	− 0·0218	...	− 14·056	− 0·373	.	7316
901	23 Capricorni θ .	+ 3·3768	− 0·0128	+ 0·004	− 14·085	− 0·344	+ 0·05	7322
902	.. . ..	+ 3·8384	− 0·0306	...	− 14·175	− 0·391	...	...
903	.. ... .	+ 3·6177	− 0·0215	...	− 14·226	− 0·366	...	...
904	61 Cygni ... 1st	+ 2·3338	+ 0·0044	+ 0·339	− 14·241	− 0·233	− 3·22	7336
905	61 Cygni ... 2nd ..	+ 2·3340	+ 0·0044	+ 0·339	− 14·244	− 0·233	− 3·22	7337
906	.. ..	+ 3·6145	− 0·0214	...	− 14·266	− 0·365	...	...
907	13 Aquarii ν . ..	+ 3·2695	− 0·0098	+ 0·001	− 14·326	− 0·328	+ 0·01	7344
908	64 Cygni 3 ...	+ 2·5506	+ 0·0038	+ 0·003	− 14·624	− 0·248	+ 0·07	7368
909	— — —	+ 3·7894	− 0·0315	...	− 15·022	− 0·380	...	..
910	... .	+ 3·7019	− 0·0274	...	− 15·050	− 0·351	...	...

Mean Positions of Stars for 1867 January 1st.

Number.	Star.	Magnitude.	Estimations.	Mean Right Ascension.			Mean Polar Distance.			Observations.	Fraction of Year.
				h	m	s	°	′	″		
911	32 Capricorni ι	4·4	...	21	14	50·15	107	23	57·5	3	0·62
912	... ...	9·1	2	21	18	48·44	153	51	48·9	3	0·60
913	.. ..	7·9	1	21	20	19·50	150	47	4·9	1	0·75
914	... ...	8·0	2	21	21	21·72	128	55	32·2	2	0·69
915	Lacaille 8829	7·2	2	21	22	46·50	127	7	46·8	2	0·67
916	... ...	9·9	1	21	23	7·08	110	6	41·8	1	0·76
917	22 Aquarii β	3·1	...	21	24	33·34	96	9	17·6	7	0·71
918	... ...	9·5	...	21	27	15·97	132	37	30·9	1	0·73
919	... ...	7·7	1	21	29	54·66	127	45	35·1	1	0·65
920	40 Capricorni γ	3·8	...	21	32	42·97	107	15	42·2	2	0·58
921	Taylor 10068	7·2	2	21	34	32·46	134	5	55·3	2	0·74
922	Taylor 10065	6·6	1	21	34	40·68	145	6	17·8	1	0·68
923	... ...	8·3	1	21	34	56·33	133	59	40·1	1	0·75
924	8 Pegasi ε	2·4	...	21	37	39·11	80	44	0·3	8	0·73
925	... ...	9·2	1	21	37	51·03	127	47	22·8	1	0·65
926	45 Capricorni λ	5·4	...	21	39	22·37	101	58	40·4	2	0·77
927	49 Capricorni δ	3·0	...	21	39	41·68	106	43	46·2	2	0·62
928	... ...	9·6	2	21	41	6·30	127	46	39·4	2	0·69
929	Taylor 10126	7·0	1	21	41	11·11	137	13	36·7	1	0·76
930	... ...	8·8	1	21	43	4·19	132	30	37·8	1	0·75
931	... ...	7·5	2	21	45	13·02	127	31	6·9	2	0·61
932	51 Capricorni μ	5·2	...	21	46	2·53	104	10	35·8	3	0·72
933	16 Pegasi	6·0	...	21	47	0·60	64	41	59·4	4	0·69
934	... ...	9·4	2	21	50	52·89	127	28	35·6	3	0·75
935	... ...	9·1	3	21	52	56·58	127	29	47·0	3	0·64
936	... ...	8·7	3	21	52	58·49	129	31	50·3	3	0·74
937	ε Indi	5·9	2	21	53	10·12	147	19	50·9	2	0·76
938	Lacaille 9006	7·3	2	21	56	20·24	129	31	2·1	2	0·75
939	34 Aquarii α	3·2	...	21	58	57·05	90	57	51·2	4	0·74
940	33 Aquarii ι	4·3	..	21	59	15·02	104	30	50·2	2	0·54
941	W. B. K. XXI. 1413 ..	9·0	1	22	1	58·24	78	8	55·6	1	0·73
942	.. ..	9·7	1	22	3	21·97	129	4	27·9	1	0·74
943	43 Aquarii θ .	4·3	..	22	9	48·74	98	26	40·8	8	0·74
944	... .	8·2	1	22	12	14·21	129	25	46·2	1	0·73
945	... .	7·5	1	22	12	30·64	150	36	55·8	1	0·74

Observed with the Madras Meridian Circle in that Year.

Number.	Star.	In Right Ascension.			In Polar Distance.			Number in B. A. C.
		Annual Precession.	Secular Variation.	Proper Motion.	Annual Precession.	Secular Variation.	Proper Motion.	
		s	s	s	"	"	"	
911	32 Capricorni ι ...	+ 3·3486	− 0·0130	0·000	− 15·069	− 0·316	− 0·02	7407
912	... ...	+ 4·8344	− 0·1051	...	− 15·296	− 0·449	...	...
913	... ...	+ 4·6064	− 0·0871	...	− 15·381	− 0·425	...	...
914	... ...	+ 3·7613	− 0·0316	...	− 15·439	− 0·343	...	...
915	Lacaille 8829... ...	+ 3·7133	− 0·0295	...	− 15·518	− 0·336	...	...
916	... ...	+ 3·3817	− 0·0147	...	− 15·537	− 0·305	...	...
917	22 Aquarii β	+ 3·1625	− 0·0071	− 0·001	− 15·616	− 0·282	0·00	7478
918	... ...	+ 3·8329	− 0·0371	...	− 15·764	− 0·339	...	...
919	... ...	+ 3·7024	− 0·0305	...	− 15·906	− 0·322	...	...
920	40 Capricorni γ ...	+ 3·3211	− 0·0130	+ 0·013	− 16·054	− 0·283	+ 0·03	7525
921	Taylor 10068... ...	+ 3·8403	− 0·0395	...	− 16·150	− 0·325	...	7538
922	Taylor 10065... ...	+ 4·2078	− 0·0649	...	− 16·157	− 0·357	...	7540
923	... ...	+ 3·8360	− 0·0394	...	− 16·167	− 0·324	...	...
924	8 Pegasi ε	+ 2·9451	− 0·0005	+ 0·003	− 16·310	− 0·242	0·00	7561
925	... ...	+ 3·6747	− 0·0307	...	− 16·320	− 0·304	...	...
926	45 Capricorni λ ...	+ 3·2355	− 0·0101	− 0·002	− 16·397	− 0·265	+ 0·01	7577
927	49 Capricorni δ ...	+ 3·3030	− 0·0128	+ 0·014	− 16·410	− 0·270	+ 0·28	7580
928	... ...	+ 3·6624	− 0·0307	...	− 16·483	− 0·297	...	...
929	Taylor 10126 ...	+ 3·8949	− 0·0454	...	− 16·487	− 0·317	...	7591
930	... ...	+ 3·7616	− 0·0372	...	− 16·580	− 0·302	...	...
931	... ...	+ 3·6416	− 0·0304	...	− 16·686	− 0·287	...	...
932	51 Capricorni μ ...	+ 3·2585	− 0·0113	+ 0·021	− 16·726	− 0·255	− 0·02	7618
933	16 Pegasi	− 2·7256	+ 0·0052	+ 0·001	− 16·772	− 0·210	+ 0·01	7627
934	... ...	+ 3·6195	− 0·0301	...	− 16·955	− 0·275	...	...
935	... ...	+ 3·6121	− 0·0301	...	− 17·049	− 0·270	...	...
936	... ...	+ 3·6528	− 0·0330	...	− 17·053	− 0·273	...	...
937	ε Indi...	+ 4·1681	− 0·0724	+ 0·480	− 17·061	− 0·313	+ 2·45	7656
938	Lacaille 9006 ...	+ 3·6387	− 0·0329	...	− 17·205	− 0·266	...	...
939	34 Aquarii α	+ 3·0834	− 0·0041	− 0·003	− 17·322	− 0·219	+ 0·02	[illegible]
940	33 Aquarii ι	+ 3·2461	− 0·0113	− 0·001	− 17·335	− 0·231	+ 0·07	7691
941	W. B. E. XXI. 1413.	+ 2·9339	+ 0·0014	...	− 17·454	− 0·203	...	...
942	... ...	+ 3·6010	− 0·0312	...	− 17·514	− 0·236	...	...
943	43 Aquarii θ	+ 3·1638	− 0·0075	+ 0·006	− 17·782	− 0·205	+ 0·08	7773
944	... ...	+ 3·5702	− 0·0825	...	− 17·878	− 0·228	...	...
945	... ...	+ 4·1440	− 0·0843	...	− 17·895	− 0·265	...	...

937.—Proper motions from "*Stone's Cape Catalogue.*"

Mean Positions of Stars for 1867 January 1st.

Number.	Star.	Magnitude.	Estimations.	Mean Right Ascension.			Mean Polar Distance.			Observations.	Fraction of Year.
				h.	m.	s.	°	′	″		
946	... ...	9·1	2	22	14	54·76	129	25	26·7	2	0·77
947	... ...	9·2	2	22	19	2·14	140	44	50·7	2	0·76
948	R. P. L. 150	5·5	...	22	23	27·51	4	33	47·1	8	0·43
949	57 Aquarii σ	4·8	...	22	23	36·32	101	21	27·8	4	0·70
950	... ...	8·2	1	22	23	52·92	130	39	34·2	1	0·81
951	27 Cephei δ Var. 1. ...	4·0	...	22	24	14·21	32	15	54·8	2	0·75
952	... ...	9·3	1	22	24	47·95	129	43	46·9	1	0·80
953	62 Aquarii η	4·2	...	22	28	31·23	90	48	8·3	4	0·79
954	R. P. L. 153	7·6	...	22	29	8·81	2	35	45·1	1	0·84
955	63 Aquarii κ	5·5	...	22	30	51·95	94	54	48·3	2	0·62
956	... ...	8·9	1	22	34	24·37	155	30	24·8	1	0·76
957	42 Pegasi ζ	3·6	...	22	34	49·69	79	51	43·8	11	0·79
958	67 Aquarii	6·2	...	22	36	17·33	97	39	32·0	1	0·55
959	... ...	8·2	1	22	36	40·89	130	26	2·3	1	0·77
960	... ...	9·5	1	22	43	37·36	130	35	42·7	1	0·80
961	... ...	8·0	1	22	44	52·04	135	40	20·0	1	0·84
962	73 Aquarii λ	3·8	...	22	45	40·31	98	17	12·5	3	0·70
963	... ...	9·5	1	22	47	38·83	128	56	54·4	1	0·81
964	... ...	9·3	2	22	48	15·74	152	34	14·7	2	0·74
965	O. A. S. 22500	8·3	2	22	49	10·41	119	18	55·5	2	0·76
966	S Aquarii Var. 2	10·2	1	22	49	58·93	111	3	9·8	1	0·73
967	24 Pis. Aus. α (*Fomalhaut*)	1·3	...	22	50	17·65	120	10	35·8	4	0·81
968	... ...	8·0	2	22	53	34·73	128	4	20·8	2	0·74
969	... ...	10·3	...	22	54	49·70	101	42	8·6	1	0·73
970	53 Pegasi β Var. 1 (*Scheat*).	2·6	...	22	57	19·80	62	38	17·4	1	0·86
971	... ...	9·5	1	22	57	20·82	57	11	9·6	1	0·83
972	... ...	9·0	1	22	57	22·47	149	37	3·2	1	0·80
973	54 Pegasi α (*Markab*) ...	2·6	...	22	58	8·17	75	30	36·2	5	0·79
974	R Pegasi Var. 2	8·5	1	22	59	58·20	80	10	28·2	1	0·82
975	... ...	9·2	1	23	3	16·80	127	29	6·2	1	0·83
976	90 Aquarii φ	4·2	..	23	7	26·08	96	45	56·9	2	0·66
977	. . ..	8·2	3	23	7	35·86	129	54	6·3	3	0·82
978	. ...	9·0	2	23	10	0·85	151	43	30·6	2	0·76
979	6 Piscium γ ...	3·8	...	23	10	16·22	87	26	38·6	10	0·81
980	93 Aquarii ψ²	4·5	1	23	10	59·37	99	54	30·1	1	0·55

948.—Groombridge 3820.
951.—δ Cephei Var. 1.—Period 5·366 days.—Range, 3·7 to 4·8 magnitude.
964.—Carrington 3466.
965.—Comparison star for Calliope in 1866.
966.—S Aquarii Var. 2.—Period 279 days.— Range, 8th to below 13th magnitude.
970.—β Pegasi Var. 1.—(*Scheat*).—Period about 6 weeks.—Range, 2·0 to 2·5 magnitude.
974.—R Pegasi Var. 2.—Period 382 days.—Range, 7th to 13th magnitude.

Observed with the Madras Meridian Circle in that Year.

Number.	Star.	In Right Ascension.			In Polar Distance.			Number in B. A. C.
		Annual Precession.	Secular Variation.	Proper Motion.	Annual Precession.	Secular Variation.	Proper Motion.	
		s	s	s	"	"	"	
946	...	+ 3·5580	− 0·0324	...	− 17·983	− 0·222	...	...
947	...	+ 3·7690	− 0·0516	...	− 18·140	− 0·227	...	...
948	R. P. L. 150 ...	− 3·7778	− 1·1818	+ 0·018	− 18·302	+ 0·233	− 0·05	7831
949	57 Aquarii σ ...	+ 3·1518	− 0·0088	− 0·004	− 18·307	− 0·182	− 0·05	7840
950	...	+ 3·5397	− 0·0337	...	− 18·317	− 0·202	...	...
951	27 Cephei δ Var. 1 ...	+ 2·2128	+ 0·0165	+ 0·002	− 18·329	− 0·123	+ 0·02	7848
952	...	+ 3·5205	− 0·0324	...	− 18·349	− 0·199	...	...
953	62 Aquarii η ...	+ 3·0793	− 0·0031	+ 0·003	− 18·479	− 0·166	+ 0·06	7868
954	R. P. L. 153	− 8·3165	− 3·8968	...	− 18·487	+ 0·476	...	...
955	63 Aquarii κ ...	+ 3·1157	− 0·0051	− 0·007	− 18·557	− 0·164	+ 0·11	7884
956	...	+ 4·1429	− 0·1067	...	− 18·672	− 0·213	...	...
957	42 Pegasi ζ ...	+ 2·9852	+ 0·0023	+ 0·001	− 18·686	− 0·149	0·00	7908
958	67 Aquarii ...	+ 3·1363	− 0·0063	...	− 18·732	− 0·155	...	7921
959	...	+ 3·4772	− 0·0327	...	− 18·744	− 0·173	...	...
960	...	+ 3·4470	− 0·0325	...	− 18·952	− 0·157	...	...
961	...	+ 3·5128	− 0·0395	...	− 18·987	− 0·157	...	...
962	73 Aquarii λ ...	+ 3·1341	− 0·0063	− 0·006	− 19·009	− 0·137	− 0·03	7970
963	...	+ 3·4076	− 0·0300	...	− 19·064	− 0·146	...	...
964	...	+ 3·8654	− 0·0854	...	− 19·080	− 0·106	...	...
965	O. A. S. 22500 ...	+ 3·3004	− 0·0204	...	− 19·104	− 0·139	...	...
966	S Aquarii Var. 2 ...	+ 3·2269	− 0·0140	...	− 19·126	− 0·134	...	...
967	24 Piscis. Australis α	+ 3·3063	− 0·0210	+ 0·022	− 19·135	− 0·135	+ 0·18	7992
968	...	+ 3·3714	− 0·0285	...	− 19·210	− 0·132	...	...
969	...	+ 3·1408	− 0·0078	...	− 19·250	− 0·121	...	...
970	53 Pegasi β Var. 1 ...	+ 2·8853	+ 0·0117	+ 0·014	− 19·310	− 0·106	− 0·15	8032
971	...	+ 2·8303	+ 0·0144	...	− 19·310	− 0·104	...	...
972	...	+ 3·6876	− 0·0705	...	− 19·311	− 0·138	...	...
973	54 Pegasi α (*Markab*)	+ 2·9800	+ 0·0056	+ 0·003	− 19·328	− 0·107	+ 0·02	8031
974	R Pegasi Var. 2 ...	+ 3·0122	+ 0·0034	...	− 19·371	− 0·106	...	...
975	...	+ 3·3233	− 0·0271	...	− 19·444	− 0·110	...	...
976	90 Aquarii φ ...	+ 3·1082	− 0·0045	+ 0·001	− 19·529	− 0·096	+ 0·19	8085
977	...	+ 3·3255	− 0·0294	...	− 19·533	− 0·102		
978	...	+ 3·6100	− 0·0742	...	− 19·580	− 0·105		
979	6 Piscium γ ...	+ 3·0592	+ 0·0006	+ 0·047	− 19·585	− 0·087	+ 0·01	8105
980	93 Aquarii ψ² ...	+ 3·1217	− 0·0061	− 0·002	− 19·598	− 0·088	− 0·01	8109

970.—Proper motions from "*Greenwich Catalogue* 1872."

Mean Positions of Stars for 1867 January 1st.

Number.	Star.	Magnitude.	Estimations.	Mean Right Ascension.			Mean Polar Distance.			Observations.	Fraction of Year.
				h.	m.	s.	°	′	″		
981	... ...	9·2	2	23	11	44·28	131	7	11·8	2	0·78
982	... ...	9·5	1	23	17	4·55	127	26	29·6	1	0·80
983	... ...	9·7	2	23	18	24·73	131	7	28·6	2	0·78
984	... ...	8·7	3	23	18	39·68	127	16	47·2	3	0·79
985	8 Piscium κ	5·0	...	23	20	6·89	89	28	20·4	9	0·80
986	... ...	7·5	1	23	20	55·78	88	50	30·5	1	0·84
987	Lacaille 9496	8·0	2	23	23	25·84	127	41	27·5	2	0·81
988	... ...	7·9	2	23	24	27·84	127	1	17·1	2	0·73
989	Lacaille 9514	9·0	1	23	26	2·65	131	34	46·9	1	0·82
990	Lacaille 9517	7·1	3	23	26	38·57	126	59	57·7	3	0·75
991	... ...	9·4	2	23	29	50·27	130	6	8·0	2	0·80
992	... ...	7·8	3	23	29	51·88	127	32	9·0	3	0·83
993	17 Piscium ι	4·3	...	23	33	6·60	85	5	39·7	9	0·80
994	18 Piscium λ	4·7	...	23	35	15·49	88	57	8·1	1	0·77
995	... ...	8·4	2	23	35	21·35	148	41	57·6	2	0·84
996	... ...	9·4	2	23	36	8·30	128	8	40·8	2	0·78
997	R Aquarii Var. 1	9·7	2	23	36	56·42	106	1	18·3	2	0·80
998	Lacaille 9583	8·0	2	23	39	0·04	128	42	54·0	2	0·84
999	Lacaille 9597	8·0	3	23	40	32·45	128	53	44·4	3	0·82
1000	δ Sculptoris	4·6	...	23	41	59·55	118	51	57·4	4	0·78
1001	... ...	7·5	1	23	42	8·16	142	3	27·1	1	0·72
1002	21 Piscium	6·1	...	23	42	38·86	89	39	45·5	1	0·85
1003	... ...	9·3	2	23	42	56·43	129	42	48·4	2	0·82
1004	... ...	8·7	3	23	47	1·42	128	8	51·7	3	0·80
1005	Lacaille 9641	7·8	2	23	48	11·48	128	6	17·4	2	0·85
1006	Lacaille 9650	8·2	1	23	49	15·00	129	47	10·3	1	0·83
1007	... ...	9·0	1	23	51	54·03	152	19	40·5	1	0·73
1008	28 Piscium ω	4·2	...	23	53	28·03	83	52	23·1	3	0·82
1009	29 Piscium	5·1	...	23	55	0·52	93	46	5·7	1	0·85
1010	... ...	9·5	2	23	56	7·83	130	16	1·7	2	0·85
1011	... ...	9·3	1	23	56	35·79	126	42	22·8	1	0·80
1012	Taylor 10990	8·3	1	23	57	3·48	148	34	13·3	1	0·86
1013	Taylor 10997	9·0	1	33	58	12·65	126	45	30·6	1	0·74
1014	... ...	9·0	2	23	58	44·51	125	52	14·9	2	0·79
1015	Lacaille 9721	6·0	1	23	59	25·37	139	48	51·5	1	0·86
1016	Lacaille 9723	7·7	1	23	59	51·62	126	40	27·3	1	0·85

997.—R Aquarii Var. 1.—Period 388 days.—Range, 6th to 11th magnitude.

Observed with the Madras Meridian Circle in that Year.

Number.	Star.	In Right Ascension.			In Polar Distance.			Number in B A C
		Annual Precession.	Secular Variation.	Proper Motion.	Annual Precession.	Secular Variation.	Proper Motion.	
		s	s	s	"	"	"	
981	.. ..	+ 3·3161	− 0·0304	...	− 19·612	− 0·093	...	.
982	... ...	+ 3·1627	− 0·0259	...	− 19·704	− 0·081	...	.
983	... .	+ 3·2828	− 0·0304	...	− 19·726	− 0·078	.	.
984	.. ..	+ 3·2547	− 0·0255	...	− 19·730	− 0·077	...	.
985	8 Piscium κ	+ 3·0699	0·0000	+ 0·005	− 19·752	− 0·069	+ 0·12	8169
986	... .	+ 3·0676	+ 0·0003	..	− 19·763	− 0·068	...	.
987	Lacaille 9496 ..	+ 3·2352	− 0·0254	...	− 19·800	− 0·066	...	...
988	... .	+ 3·2278	− 0·0247	...	− 19·814	− 0·063	..	...
989	Lacaille 9514	+ 3·2472	− 0·0293	..	− 19·835	− 0·061	..	...
990	Lacaille 9517 ..	+ 3·2182	− 0·0244	...	− 19·843	− 0·059	..	...
991	... ...	+ 3·2199	− 0·0272	...	− 19·882	− 0·052	...	...
992	... ...	+ 3·2068	− 0·0246	...	− 19·882	− 0·052	..	...
993	17 Piscium ι	+ 3·0586	+ 0·0030	+ 0·025	− 19·918	− 0·042	+ 0·45	8233
994	18 Piscium λ	+ 3·0696	+ 0·0011	− 0·011	− 19·938	− 0·039	+ 0·17	8243
995	... .	+ 3·3082	− 0·0561	...	− 19·938	− 0·043	..	...
996	... .	+ 3·1810	− 0·0244	...	− 19·946	− 0·039	...	...
997	R Aquarii Var. 1 ...	+ 3·1097	− 0·0081	...	− 19·953	− 0·036	...	...
998	Lacaille 9583 ..	+ 3·1702	− 0·0248	...	− 19·971	− 0·034	...	...
999	Lacaille 9597... ...	+ 3·1636	− 0·0246	...	− 19·983	− 0·030	...	...
1000	δ Sculptoris	+ 3·1299	− 0·0161	+ 0·009	− 19·993	− 0·026	+ 0·10	8275
1001	... .	+ 3·2057	− 0·0408	...	− 19·994	− 0·028	..	.
1002	21 Piscium	+ 3·0714	+ 0·0011	− 0·002	− 19·998	− 0·025	+ 0·04	8281
1003	... ...	+ 3·1547	− 0·0251	...	− 19·999	− 0·025	..	...
1004	... ...	+ 3·1315	− 0·0232	...	− 20·023	− 0·017	.	...
1005	Lacaille 9641 ...	+ 3·1262	− 0·0230	...	− 20·027	− 0·015	..	...
1006	Lacaille 9650 ...	+ 3·1243	− 0·0244	...	− 20·033	− 0·012	...	..
1007	. ... ..	+ 3·1621	− 0·0590	...	− 20·042	− 0·008	...	.
1008	28 Piscium ω ..	+ 3·0673	+ 0·0047	+ 0·010	− 20·045	− 0·006	+ 0·13	8331
1009	29 Piscium	+ 3·0738	− 0·0004	− 0·002	− 20·051	0·000	+ 0·01	8346
1010	... . .	+ 3·0913	− 0·0240	..	− 20·052	+ 0·001	..	.
1011	... . .	+ 3·0809	− 0·0208	...	− 20·053	+ 0·003	.	...
1012	Taylor 10990	+ 3·1003	− 0·0482	...	− 20·053	+ 0·003	.	.
1013	Taylor 10997	+ 3·0707	− 0·0206	..	− 20·054	+ 0·006	..	.
1014	.. ..	+ 3·0774	− 0·0198	...	− 20·054	+ 0·007	..	..
1015	Lacaille 9721 .	+ 3·0762	− 0·0336	...	− 20·055	+ 0·008	..	.
1016	Lacaille 9723 .	+ 3·0727	− 0·0205	...	− 20·055	+ 0·009	...	.

1009—Proper motions from "*Stone's Cape Catalogue.*"

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Naples ... Royal Observatory.
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Padua ... The Observatory.
Palermo ... The Observatory.
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Rome ... The Observatory (Capitol.)
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Turin ... Royal Academy of Sciences.
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JAPAN.

Tokio ... The Observatory.

MAURITIUS.

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NETHERLANDS (INDIA.)

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NORWAY.

Bergen ... The Observatory
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PORTUGAL.

Coimbra The Observatory

Lisbon Royal Observatory.

RUSSIA.

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Helsingfors The Observatory.

Kasan The Observatory.

Kharkoff The Observatory.

Kiev The Observatory.

Kronstadt ... The Observatory.

Moscow The Observatory.
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Warsaw ... The Observatory.

Wilna .. The Observatory.

SPAIN.

Madrid ... Royal Observatory.

San Fernando ... Marine Observatory.

STRAITS SETTLEMENTS.

Singapore . Surveyor General.

SWEDEN.

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